

FRESH GOES DX

Volume 11

Issue 121

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IN THIS ISSUE :

- * Caroline equipment returned
- * Radio Lowland Int. raided
- * Andrew Yoder's DXpedition
- * The Dutch Media Scene
- * Short Wave News & Logbook
- * Satellite Telex
- * Medium Wave Pirate News
- and.....much, much more !!!

FRS GOES DX INFO

COLOPHON

FRS GOES DX is a monthly magazine which informs about radio in general and free radio in particular. It is a publication of FRS-Holland, an independent short wave station.

SUBSCRIPTIONS

An annual subscription costs DM 25.00 / £ 8.00 / f 25,- (Europe) or US\$ 18.00 (outside Europe). Payments are accepted * in cash / * by eurocheque made out in Dutch guilders / * by postal order. Sample copies cost 3 irc's / 3x DM 1.00 German stamps / 4x75ct Dutch stamps / £ 1.00 in cash / US\$ 2.00 .

MAILING ADDRESS

All correspondence in connection with the magazine should be sent to:
'FRS Goes DX' , P.O.Box 2727,
6049 ZG Herten, The Netherlands.
Do not use the address on the cover !!!

ADVERTISING

For full or half page advertisements please contact the editor.
Small ads: non-commercial adverts are free for members.
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Friday April 2nd 1993

DEADLINE FOR CONTRIBUTIONS:

Wednesday March 24th

RENEWAL OF SUBSCRIPTION

☐ This is your last issue on account of your current subscription. You are kindly asked to send your renewal without delay in order to be assured of receiving the next issue.

EDITORIAL

Welcome in the first 1993 edition of "FRS Goes DX". This very issue embodies the start of something new.

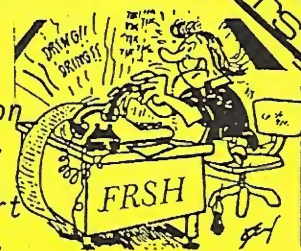
Major changes have been carried out resulting in what is now in front of you.

A bit late but nevertheless heartfelt: for all of you our best wishes for (the rest of) 1993. We hope it will be a great year in every possible respect, ofcourse also **radio-wise**! We would like to say **THANK YOU** to all of you sending in Christmas cards. Great! They have been used to decorate the FRS studio over the X-Mas season. During that festive season FRS-Holland has been very active. In fact this was the most active period we have had for years. And that proves FRS-Holland is still very much alive although we are not able to carry out broadcasting on a once a month sequence.

We are sorry to say it was not practicable to have this issue published Wednesday February 3rd. The extra work involved with all the changes plus the 'normal' work was just too much. Much to our own surprise no less than 36 pages were produced (comparable with 72 pages of the old 1992 format). That means a number of pages have to wait to be included in the upcoming issue. To supply you with as much info as possible, some of the pages have been reduced. But this was only an one-off 'trick'! For your information: the info in this issue can be compared with almost 66 'old format' pages. And that means we have broken a record: this is the thickest FRS magazine in our history. We like to give value for money. Have a drink on us, cheers!!

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FRS NEWSCORNER

ISSUE 121

After a number of busy weeks, we finally managed to complete the first brandnew edition "FRS Goes DX" and we do hope that this issue comes up to your expectations... You, as a reader, was informed about some upcoming changes in the December issue and we intentionally did not mention full details about what was going on. When taking a quick note in this issue, you will discover a number of major alterations. Most eye-catching is the new format: A4 has replaced A5. One of the reasons is that we want extra space in favour of a more professional lay-out. That means that this format allows us to include much more easily photos, logos etc. As a direct result of the new A4 format, the magazine doesn't need to be reduced. Therefore we are now using smaller letters enabling us to 'reclassify' a page in three columns (in some cases two). As far as the quantity of text on page is concerned you can apply the principle that one current A4 page can be compared with two A5 pages in 1992 issues. Or to put it in this way: 48 A5 pages in for instance issue 120 (Dec. 1992) are the equivalent of 24 A4 pages in this issue. We have also tried to achieve some improvements concerning other parts of the lay-out. It has to be confessed that not all intended changes have taken place. Part 1 has been carried out, part 2 will be completed in April. To give you a few examples: a number of columns will get a brandnew logo, the cover will undergo further improvements and the colophon/editorial page even a complete metamorphosis. The print quality is much better compared with previous issues and this will even become better in the near future. So all in all we hope to complete all changes we have in mind next April. We would be delighted to have your comments on this issue. Any criticism is welcome. Any ideas, suggestions, further improvements will be treated very seriously from our side. We'd like to have your comments about the renewed magazine.

In this issue most of the well-known columns and one new one: from now on the Dutch medium wave scene will be featured including loggings, news in brief and a station portrait. Many readers said they missed a medium wave column. Well guys, here it is. Derek Taylor, insider, will be featuring the new column.

Welcome Derek. We are happy that you were willing to join our team of contributors. We hope this is the start of a productive co-operation! Talking about new columns: we would very much like to breathe new life into Opinion 41. Some of you who have joined the magazine since a few months will not even know what Opinion 41 was. Opinion 41 is a column in which readers can express their personal opinion towards any item related to radio. You can react on something you have been reading, you can disagree with something, you are annoyed about something you have been hearing on the wireless. You can give your opinion about the SW scene, Caroline, satellite radio etc. And in some cases we can do a suggestion about a topic. The success of such column fully depends on you as a reader. As already said in issue 120: the serious opinion of only one single person could already be enough to publish such column in future editions. We are curiously awaiting your stuff!

As promised also a summary of the great response for our 12th Birthday broadcast October 18th. We did receive exactly 77 letters. And this is not a rumour but the simple truth. In terms of the 1990s it is indeed a fantastic number of letters! Made in Holland reports about the new Radio 538, Artiom and Andrew are present the latter giving a detailed report of his DXpedition some months ago. The overwhelming number of pages which have been produced for this first 1993 edition made us decide to store a few for issue 122. We could publish a magazine with more than 70 A5 pages...

What we hope is that you as a reader enjoy the current lay-out/content. And: spread the word about 'FRS Goes DX'. If you have radio friends, relatives interested in radio etc: **TELL THEM about "FRS Goes DX"!!** Most readers reacted in a very positive way to the increase of the subscription price. Special thanks to our British listenership: apart from the increase they had to deal with an extra increase because of the devaluation of the Pound. Not a single UK person made a negative comment.

FRSH ACTIVITIES

December was the surely the busiest FRSH-Holland month of the past few years. It started with the 13th annual X-Mas party taking place Sun December 29th between

10.00- 14.20 CET. The broadcast commenced on 6210 kHz and at exactly 12.00 CET we moved to 6201 kHz. Reception was fair/ good. It was very sad knowing that we clashed with another station using 6210: Heavy Dude Radio. Just bad luck. We didn't know about HDR and I guess they didn't know about us. Part of the X-Mas programming were a number of flashbacks to previous X-Mas parties. It was good to hear all those extracts from years gone by.

X-Mas Eve Dec. 24th FRSH was on 3910 between 18.00- 21.15 CET. Most of this broadcast was different from the output on Sun Dec. 20th. X-Mas day the X-Mas Eve programming was repeated on 7380 kHz and this was a fine signal in most of Central & Western Europe. That same evening a repeat of some of the Dec. 20th programming went out on 3915 kHz in the evening hours. This broadcast was in AM with reduced carrier. Signal quality was mighty fine although the response was- at least for this broadcast- rather disappointing. On Boxing Day the same pxs as broadcasted on 3915 were aired on 6280//15045 kHz. Due to TV interference this broadcast had to be stopped after just one hour. Sun Dec. 27th a test to the USA was conducted. Pxs run between 05.00- 08.00 CET but unfortunately no reports reached us. Conditions were not very favourable and as far as we know hardly any Euro pirates were received in North America during the festive season. All in all FRSH was approx. on air for 18 hours in a 7 day period! Total response on these broadcasts was fair.

As far as the future is concerned we are preparing a March broadcast. At this moment it's impossible to give any details. Keep an eye on 48 metres Sun March 21st.

OCTOBER BIRTHDAY COMPETITION

Almost 20 entries reached us in connection with the October 18th Birthday Competition which was aired several times throughout the 7425 kHz broadcast. The question was: which three frequencies played an important role in FRSH's broadcasting history. To help you a little bit we pointed at two 48 mb frequencies and one on the 41 mb. The correct answer is: 6250- 6205 - 7315. Five listeners sent in the correct answer: Nicholas Sharpe, Jörg

Oeynhausen, Lars Müller, Lütz-
René Jusczyk and H.J. Müsseler.

Congratulations to all of you. The winner will be receiving the 10 Years FRS-Holland documentary, the other 4 are getting an interesting radio tape. Verbruggen jr. did the draw and decided that the winner is LUTZ-RENE JUSCZYK !!

AND FINALLY....

It was with some surprise to find the name of FRS-Holland mentioned in a column called Jolly Jake's Rambling Thoughts in PC issue 3. No make things clear: we are on good terms with the editor Stefan Printz and the content of that column has no influence of our future relationship... The writer of that article was doing his first column for PC and is the key figure behind Radio Fusion Int. In that column the following content was to be read. WE are quoting:

"I'm very fed up with with nonsense talk (in the Free Radio mags and by other certain people) about what stations that are 'good' and 'bad', about what stations that are worth listening to and to those that are not. And sometimes I even hear people saying that some stations should not have the right to exist on the airwaves, because of their 'poor' programme quality. And the sad thing is that so many readers and listeners believe in this crap or 'rent skitsnack' to say it in Swedish. Who do they think they are? Gods of Free Radio? Fact is that those people have not yet understood what Free Radio really is, nor they have understood that there are other people who actually prefer listening to 'chewing gum pop music' programme formats, from in my opinion, rather boring stations such as Free Radio Service Holland. They consider themselves as a 'quality' station and they sell those ridiculous T-shirts saying "FRS-Holland, the quality one". Please tell me, what is quality? To me, quality is up to each individual to decide, eg what they like to listen to. Thought this was self-evident, apparently not to some people. To me, FRS-Holland is the definition of non-quality (well maybe I should put int in this way: at least they are no better than any other pirate). Once I heard their DX-programme they read every single word directly from their magazine "FRS Goes DX". One of the most boring programmes I've ever

heard. Then I'd rather tune in some Dutch pirate on 1636 kHz listening to some nice non-stop Dutch folk music! Will be interesting to see if the FRSH or any other who might feel accused will send me any comments on this, I guess they'll already consider me as some stubborn fool...well they can think whatever they want...but they should really need a lesson or two in basic nihilism. And they certainly don't know about the law of Jante...See ya all next time, special greetings to the staff of FRSH..."

Well, he rather swiped at us! He will get an answer from us. Fact is that we do NOT consider ourselves as 'Gods on SW'. And I guess we have proved to respect ANY SW station witness the fact we are reporting on all active free radio stations broadcasting on SW. We cannot remember having said about any station that it doesn't have the right to exist because of bad programming. And it should be interesting to know why no other names are mentioned but only FRSH? Or has all commotion to do with the word 'Quality' in our slogan? And what about a magazine calling itself Europe's LEADING free radio publication. Or a station calling itself the number one. We don't care about such slogans. Let me put in in this way: we don't consider ourselves as THE quality station... But we are aiming to provide programmes containing as much quality as possible. Perhaps an important point is that FRS-Holland has always concentrated on the programming side of the hobby and not the technical. We are not qso-ing etc. But we spend our time in preparing programmes. All of our programmes are a mixture of music and information. Over the years it has become very clear that lots of listeners do like such type of programming. Mind you: the info we feature in our pxs does not fall into our lap. It costs time, effort. We prepare our programming seriously to provide the listener with the best possible programming. What's wrong about that? And may I say that large numbers of SW listeners tune in to hear programming with music and information as ingredients. About the DX-Show: I guess Mr. J.J. has never tried to compile an informative (my God, may I call it informative????) DX-Show. For your information: in the past we have always been using the FRS Goes DX programme info for the magazine. That's

rather logical or is J.J. thinking that the news brought in the px, has to be completely changed before being published in the mag?? It's a bit of a naive thought. Compiling a 45 min. DX-Show costs more than 10 hours. But try it J.J.: an informative DX-Show containing several items and extracts and don't you dare reading it directly from your PC column. Sorry, the latter is up to you. Haven't heard the 1992 DX-Shows? They were certainly not presented as being described in J.J.'s column. It's good to know that many SW DXers do like our programming including the DX-Show.

Perhaps there are readers willing to express their opinion. J.J.'s thoughts is a nice topic for issue 122!!

FRSH RECEPTION REPORTS OCTOBER 18th

As promised a selection of reports we received for the Oct. 18th broadcast on 7425 kHz (power was 120W).

Finland	Hollola	11.00	33333
Denmark	Herning	08.48	34333
Italy	Vercelli	12.40	34242
England	Hilderstone	08.41	55555
England	Burnley	09.45	45444
Germany	Hagen	09.34	44344
Germany	Wesel	10.30	55444
Holland	Arnhem	11.15	44444
Sweden	Ystad	12.30	43443
Germany	Maikammer	11.15	54434
Lithuania	Klaipeda	09.27	24432
Germany	Freiberg	08.40	45434
Germany	Salzkotten	12.00	44544
Finland	Juva	08.40	25333
Italy	Pavia	08.33	34443

These letters give a good indication about the reception quality.

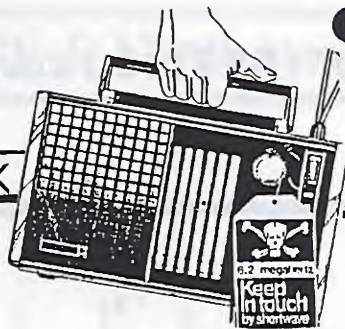
To finish of this FRS Newscorner we have to rectify something: the list of tentative dates on which this magazine is to be published was not correct.

Issue 124: Fri July 30th.

Issue 125: Fri October 1st.

All other dates were correct. ☐

SHORT WAVE SURVEY



We kick off this time with some loggings which came in too late for including in the last issue of *SWSDX*. Also the festive season will be included in the first 1991 compilation. In the bookbox the period Saturday December 5th-Sunday February 7th is covered. Mind you from dates marked with a (*) not all details are listed.

Sunday November 15th 1992

7473 13.41 Radio Starlight --- 0-4 test via RMI

Saturday November 28th 1992

6206 10.07 Mister X 0-3 ---
6239 15.46 Radio Pamela 0-3 ---
6295 14.21 Radio MI Jalisco 0-4 ---

Sunday November 29th 1992

6200 09.20 Rensgade Radio 0-4 ---
6203 13.20 Weekend Music Radio 0-4 ---
6255 13.36 Radio North Int. 0-4 ---
6255 14.44 Sierra Portrot 03 0-2 ---

Saturday December 5th 1992

3925 10.25 Unid 0-5 --- Unmod. carrier
4755 14.30 Unid 0-3 --- music
6210 10.08 R.Lighting Int.??? 0-2 ---
6222 16.11 DLR 106 0-4 ---
6229 13.22 Test Pirate 0-3 ---
6232 11.31 Rensgade Radio 0-3 ---
6233 13.16 Pamela 0-4 ---
6275 12.35 Test Pirate 0-3 ---
6285 12.43 Radio Aradillo 0-2 --- Low modulation
6285 13.11 Radio Lowland 0-3 --- Unmodulated carrier
6295 12.10 Unid 0-5 ---
6295 12.33 Radio Caroline 0-4-5 0-3
6399 13.20 Test Pirate 0-3 ---
6400 12.50 Pamela 0-4 ---
6910 10.30 The Edge 0-3-5 ---

Sunday December 6th 1992

3910 01.30 Weekend Music Radio 0-1 ---
3910 16.25 Reflections Europe 0-5 ---
3925 10.47 Unid 0-3 --- Unmodulated carrier
3945 00.40 Subterranean Sounds 0-2 ---
6200 09.46 Orang Utan 0-3-5 0-3-3
6203 12.00 Weekend Music Radio 0-4 ---

6204 12.15 Unid 0-2 --- Dutch
6204 12.28 Live Wire Radio 0-4 ---
6205 16.30 Reflections Europe 0-5 ---
6207 11.37 Tender Contact 0-3 ---
6210 12.24 Radio Gloria Int. 0-3 ---
6211 11.07 Heavy Dute Radio 0-4 ---
6212 12.28 Cowboy Jimmy 0-4 ---
6215 12.13 Unid 0-2 --- Dutch, QSO
6219 11.21 Radio Pluto 0-2 --- Dutch, QSO
6219 12.02 Pressound Relay Service 0-4 ---
6219 12.05 European Pirate Radio 0-4 ---
6220 11.45 Radio Star 0-2 ---
6220 13.09 European Pirate Radio 0-3 ---
6220 13.12 Pressound Radio 0-3 ---
6228 09.21 DLR 106 0-2-5 0-1-3
6229 09.35 JRR 0-3-5 0-2-3
6240 09.26 Emerald Radio 0-1-5 0-2
6250 09.00 Fox-M 0-2-3
6250 09.03 Radio Rabbit Int.??? 0-4 ---
6250 09.55 ECC 0-4-5 0-3
6251 09.02 Fox M 0-3 ---
6253 09.30 Star Club Radio 0-3 ---
6255 09.20 Unid 0-3 ---
6262 09.08 Marbu 0-3-5 0-2
6262 12.30 Merlin 0-1-4 ---
6270 08.55 Radio Silverbird 0-5 ---
6272 08.45 Unid 0-3 ---
6285 09.10 Radio Lowland 0-4-5 0-3-4
6288 08.31 Unid 0-3 ---
6295 10.11 Caroline 0-4-5 0-3
6400 11.34 WKR 0-4-5 0-3-4
6550 10.26 Unid 0-3 ---
6552 09.07 Radio Brigitte 0-3 ---
6555 13.31 Pluto 0-3 ---
6910 10.55 Unid 0-4 ---
6910 11.26 The Edge 0-4-5 ---
7141 10.34 R. Italia Int. 0-3 ---
7294 10.33 R.Europe 0-3 ---
7473 09.11 Star Club Radio 0-2 ---
7473 10.07 RMI 0-2 ---
7473 10.07 RMI 0-2 ---
11401 09.49 Star Club Radio 0-3 ---
11401 10.34 RMI 0-3-4 ---
11410 11.21 Live Wire Radio 0-3 ---
11422 13.41 PRBS 0-3 ---
12396 11.35 Pirana 0-4 ---

Sunday December 13th 1992

6210 09.31 Lightning Int. 0-2 ---
6227 07.55 DLR 0-4-5 ---
6227 10.46 Orion 0-4 ---
6300 13.37 WKR 0-3 ---
6301 15.00 Pamela 0-4 ---
6910 16.24 The Edge 0-3-5 ---

3910 14.10 Weekend Music Radio 0-1 ---
3910 16.15 Reflections Europe 0-5 ---
6199 09.03 Delta (Rumio) 0-4 0-3-4
6200 12.43 Unid 0-2-4 --- Us pirate tapes
6200 12.55 Saurai Radio 0-2 ---
6202 12.36 Live Wire 0-4 ---
6205 16.14 Reflections Europe 0-5 ---
6210 10.46 Lightning Int. 0-3 ---
6210 11.10 Heavy Dute Radio 0-2-3
6228 09.03 DLR 106 0-3-5 0-3
6229 09.18 JRR 0-4 ---
6235 10.47 RMI 0-3-4 0-2-3 //7360
6240 12.00 Emerald Radio 0-2-3 0-2
6252 09.03 R.Northsea Int. 0-2-4
6261 14.39 Station Sierra 0-3 ---
6262 08.15 Riverside 101 0-2-3
6262 09.04 Merlin 0-2-4 0-3
6275 09.49 Orion 0-4-5 0-3
6280 12.05 Ozone 0-3 ---
6288 12.35 Unid 0-2 --- Unid (co-call)
6291 11.04 Live Wire 0-4-5 0-3-4 test, later QSO
6293 12.04 Gloria Int. 0-2 0-2 QSO to Live Wire
6296 12.22 Weekend Music Radio 0-4-5 ---
6400 11.08 Radio Atlantis 0-1 ---
6527 09.29 CCS 0-3 --- under modulated
6911 07.50 Unid 0-3 ---
6911 10.36 The Edge 0-3-5 ---
7141 08.05 R. Italia Int. 0-2-3 0-3 //6235
7360 10.47 RMI 0-2-4 0-3
7415 10.46 Starshine Radio 0-2-4 0-3 //11114
7446 08.51 Stella 0-4 0-4 music
7455 12.39 Unid 0-2-3 0-2-3 bad mod.
7480 09.05 Penelux 0-3-4 0-3-4 //7446
11414 09.52 Stella 0-3-4 0-3-4

Saturday December 19th 1992

6200 12.15 Orang Utan 0-3-4 0-3 test
6204 10.12 Tender Jimmy 0-3 QSO
6205 10.09 Tender Olive (Oliver) 0-3 QSO
6205 10.05 R.A., Rotterdam 0-4 QSO
6210 09.42 Lightning Int.?? 0-1 ---
6212 11.05 Station Victor Bravo 0-4 QSO, very nice mode
6213 12.55 Brigitte 0-2 ---
6243 14.01 R.Brassgolf 0-4 QSO to R.A., Olive

6217 13.50 Zender Jimmy --- 0-3 QSO
6228 13.48 DLR 0-3-4 0-2
6235 12.45 Unid 0-2 0-3 QSO, Dutch
6240 12.53 Station Unknown 0-4 ---
6250 12.16 Unid 0-1 ---
6281 13.35 Unid 0-2-3 0-4 rock music
6295 09.50 Caroline 0-3-4 0-3
6300 13.50 Atlantis UK 0-4 0-2
6399 13.55 Pamela 0-4 0-3
6911 09.00 The Edge 0-3 0-3
7294 10.10 R.Europe --- 0-2 USB mode

Sunday December 20th 1992

3910 16.25 Reflections Europe 0-2 0-3
6198 11.11 Unid 0-4 --- music
6199 12.41 Rensgade R. 0-3 ---
6201 08.16 Orang Utan 0-4-5 0-3-4
6201 11.20 FRS Holland 0-3-4 0-4
6204 13.31 FRS London 0-4 0-3
6205 16.25 Reflections Europe 0-4 0-3 //7910/12255
6208 11.24 JRR 0-3 ---
6209 08.51 FRS Holland 0-1-4 0-2-3
6211 08.55 Heavy Dute Radio 0-2 ---
6217 11.39 Brigitte 0-4 ---
6217 14.05 Unid (Dutch) 0-2 ---
6228 09.00 DLR 0-2-3 0-3
6229 08.17 JRR 0-2-3 0-2
6238 14.38 FRS London 0-4 0-3
6240 08.25 Emerald 0-3-4 0-2
6262 08.16 R.Northsea Int. 0-3 0-2
6262 08.36 Marbu 0-5 --- Via NISWS
6262 15.12 NISWS 0-2-5 --- Via NISWS
6295 10.18 Caroline 0-4-5 0-2 Bad mode
6299 15.26 Unid 0-3 0-2
6400 10.13 WKR 0-3-4 0-3-4
6400 11.51 Atlantis 0-2 --- test
6527 09.16 CCS 0-1-4 0-3
6553 12.05 Unid 0-1-4 0-3
6911 07.55 The Edge 0-2-3 0-3
7141 07.41 R. Italia Int. 0-3 ---
7294 09.18 R.Europe 0-2 ---
7410 08.58 Pacman 0-3 ---
7415 09.30 MI Jalisco 0-2-3 0-2-3
7415 11.05 Fusion --- 0-4
7459 11.29 MI Jalisco 0-2 0-2-4
7466 08.50 Brigitte 0-3 0-2-4 //1101
7473 07.45 RMI 0-3 0-2-4
7473 08.10 Southern Music Radio 0-2 0-4 Via RMI
7484 09.18 Rainbow Germany 0-2-3 0-3
11401 09.00 RMI 0-2 0-3-4
11413 08.55 Stella 0-3 ---
12255 16.25 Reflections Europe --- 0-3
12264 11.40 Wreckin' Radio --- 0-3

<FRS GOES DX> the magazine for the free radio enthusiast

Thursday December 24th 1992			Friday December 25th 1992			Saturday December 26th 1992			Sunday December 27th 1992			Monday December 28th 1992		
6200 11.50 Unid	---	0-4	3910 00.30 PRS	0-4	0-4	3905 23.17 PRS	0-4	---	3910 16.16 Reflections Europe	0-4	---	6210 12.47 Sky Radio	0-3-4	0-3
6210 14.00 JRR	0-3	0-2	3910 18.00 Reflections Europe	0-4	0-4	3910 18.00 PRS	0-4	---	6210 11.03 Unid	0-4	---	6227 08.45 DLR	0-3	0-3
6219 15.09 Unid (Dutch)	0-3	---	3915 01.01 Live Wire	0-4	0-4	3915 01.01 PRS	0-4	---	6220 10.47 Renegade	0-4	0-4	6240 10.37 Concept Radio	0-3	0-2
6228 08.20 DLR	0-3	0-3	3925 18.17 Radio Caroline	0-4	0-3	3925 18.15 Unid	0-4	---	6205 16.15 Reflections Europe	0-5	0-3	6240 12.55 JRR	0-3	0-2
6235 14.10 BRT	0-4	0-4	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6250 11.40 East Coast Com.	0-4	0-4	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6250 12.15 R.Atlantis	0-4	0-3	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6311 08.50 R.Dublin/The Edge	0-3	0-3	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6200 11.50 Unid	---	0-4	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6210 14.00 JRR	0-3	0-2	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6219 15.09 Unid (Dutch)	0-3	---	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6228 08.20 DLR	0-3	0-3	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6235 14.10 BRT	0-4	0-4	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6250 11.40 East Coast Com.	0-4	0-4	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6250 12.15 R.Atlantis	0-4	0-3	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6311 08.50 R.Dublin/The Edge	0-3	0-3	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6200 11.50 Unid	---	0-4	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6210 14.00 JRR	0-3	0-2	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6219 15.09 Unid (Dutch)	0-3	---	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6228 08.20 DLR	0-3	0-3	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6235 14.10 BRT	0-4	0-4	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6250 11.40 East Coast Com.	0-4	0-4	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6250 12.15 R.Atlantis	0-4	0-3	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6311 08.50 R.Dublin/The Edge	0-3	0-3	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6200 11.50 Unid	---	0-4	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6210 14.00 JRR	0-3	0-2	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6219 15.09 Unid (Dutch)	0-3	---	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6228 08.20 DLR	0-3	0-3	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6235 14.10 BRT	0-4	0-4	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6250 11.40 East Coast Com.	0-4	0-4	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6250 12.15 R.Atlantis	0-4	0-3	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6311 08.50 R.Dublin/The Edge	0-3	0-3	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6200 11.50 Unid	---	0-4	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6210 14.00 JRR	0-3	0-2	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6219 15.09 Unid (Dutch)	0-3	---	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6228 08.20 DLR	0-3	0-3	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6235 14.10 BRT	0-4	0-4	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6250 11.40 East Coast Com.	0-4	0-4	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6250 12.15 R.Atlantis	0-4	0-3	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6311 08.50 R.Dublin/The Edge	0-3	0-3	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6200 11.50 Unid	---	0-4	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6210 14.00 JRR	0-3	0-2	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6219 15.09 Unid (Dutch)	0-3	---	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6228 08.20 DLR	0-3	0-3	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6235 14.10 BRT	0-4	0-4	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6250 11.40 East Coast Com.	0-4	0-4	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6250 12.15 R.Atlantis	0-4	0-3	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6311 08.50 R.Dublin/The Edge	0-3	0-3	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6200 11.50 Unid	---	0-4	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6210 14.00 JRR	0-3	0-2	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6219 15.09 Unid (Dutch)	0-3	---	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6228 08.20 DLR	0-3	0-3	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6235 14.10 BRT	0-4	0-4	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6250 11.40 East Coast Com.	0-4	0-4	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6250 12.15 R.Atlantis	0-4	0-3	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6311 08.50 R.Dublin/The Edge	0-3	0-3	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6200 11.50 Unid	---	0-4	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6210 14.00 JRR	0-3	0-2	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6219 15.09 Unid (Dutch)	0-3	---	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6228 08.20 DLR	0-3	0-3	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6235 14.10 BRT	0-4	0-4	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6250 11.40 East Coast Com.	0-4	0-4	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6250 12.15 R.Atlantis	0-4	0-3	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6311 08.50 R.Dublin/The Edge	0-3	0-3	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6200 11.50 Unid	---	0-4	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6210 14.00 JRR	0-3	0-2	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6219 15.09 Unid (Dutch)	0-3	---	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6228 08.20 DLR	0-3	0-3	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6235 14.10 BRT	0-4	0-4	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6250 11.40 East Coast Com.	0-4	0-4	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6250 12.15 R.Atlantis	0-4	0-3	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2
6311 08.50 R.Dublin/The Edge	0-3	0-3	3931 17.50 XMS	0-3	0-3	3931 17.50 XMS	0-3	---	6209 12.50 JRR	0-2-4	0-2	6240 12.55 JRR	0-3	0-2</

frs goes dx

frs goes xp

Saturday January 16th 1993			Saturday January 23rd 1993		
3910 21.32 Radio Without Borders	0-2	---	3911 23.02 Unid (Russian)	---	0-3
3910 21.53 R.Waves Int.	0-2	0-3	3913 22.53 R. Without Borders	0-2	---
3912 22.15 R. Without Borders	---	0-3	6203 10.29 R. Dutch Pirate	0-2	---
3912 13.55 Unid	0-4	---	6227 08.40 DLR	0-3	---
6200 13.30 Delta (Haurio)	0-1	0-1	6295 09.50 Unid	0-2	---
6203 09.49 Unid	0-1	0-1	6400 11.59 R. Atlantis	0-5	---
6209 11.18 JRR	0-4	0-4	6855 19.20 Emerald R.	---	0-4
6210 09.46 Unid	---	0-1	6910 19.20 Unid	---	0-3
6227 08.40 DLR	0-4	0-4	Sunday January 24th 1993		
6222 14.30 R. Fabela	0-4	0-4	3910 17.16 Reflections Europe	0-5	---
6235 12.23 BR	0-4	0-4	6201 08.25 Orang Utan	0-4	0-4-5
6256 14.38 Unid	0-4	0-4	6203 11.03 Delta (Elburg)	0-4	---
6286 13.21 Unid	0-3	---	6205 17.15 Reflections Europe	0-3	---
6296 08.45 Riverside 101	0-3-4	0-2-4	6210 09.20 JRR?	0-1	0-2
6400 12.04 R. Atlantis	0-4	0-5	6227 07.41 DLR	---	0-3
6911 10.16 R. Dublin	0-3-4	0-3	6229 08.30 JRR	---	0-3
7360 12.44 BR	0-4	0-2	6235 10.25 BR	0-4	0-3
Sunday January 17th 1993			6252 10.25 YTC	0-5	0-3-4
3910 00.10 R. Without Borders	---	0-2	6257 10.25 XTC	0-3	0-2-3
3910 00.20 R. Waves Int.	---	0-2	6273 09.10 MWSRS	0-2	---
3910 16.41 Reflections Europe	0-5	---	6273 10.25 R. Merlin Int.	0-2	0-2
6199 10.21 Delta (Haurio)	0-4	0-1-4	6280 11.10 Ozon	0-3	0-2
6202 10.22 St. Victor Bravo (Nolan)	---	0-3	6285 09.14 Xi Aiigo	0-4	0-4
6203 12.19 St. OP1 (Delta, Elburg)	---	0-4	6295 07.33 Caroline	0-5	---
6205 16.40 Reflections Europe	0-4	---	6400 11.52 R. Atlantis	0-5	---
6207 12.21 Unid (Dutch)	0-4	0-4	6400 16.45 Unid	0-2	---
6209 09.02 JRR	0-2	0-2	6855 09.34 Emerald R.	0-3	0-3
6210 10.39 Unid	0-1-3	---	6910 07.35 Unid	0-4	0-3
6227 11.25 DLR	0-4	0-4	7140 08.20 R. Dublin	---	0-3
6229 09.52 JRR	0-4	0-4	7140 08.20 R. Italia	---	0-4
6233 10.25 Renegade Sound	0-4-5	0-2-5	7359 09.25 Pacan	0-1	0-3-4
6240 11.24 R. Pluto	0-4	0-4	7360 10.25 BR	0-3	0-3
6257 13.16 Unid	0-4	---	7459 09.45 Xi Aiigo	0-2	0-2-3
6280 10.51 Ozon R.	0-4	0-3	7473 08.35 RMI	0-2	0-3
6285 09.10 Lowland	0-4	0-4	7480 09.18 Benelux	0-2	0-3
6296 08.45 Moonlight Radio	0-4-5	0-2-5	11401 08.35 RMI	0-2	0-3
6296 12.42 Merlin	0-3	0-4	Saturday January 30th 1993 *		
6400 13.25 Atlantis	0-4-5	0-2-5	6210 10.05 Radio Lightning Int.	0-2	---
6401 08.14 Unid (Dutch)	---	0-3	6210 11.41 Radio Atlantis	0-5	---
6527 10.39 Clondestine R. Society	0-4	0-2	6227 13.00 DLR	0-3	---
6855 08.40 Emerald R.	0-4	0-2	6230 09.54 Jolly Roger Radio	0-3	---
6911 12.35 The Edge	0-3-4	0-3	6240 08.45 Riverside 101	0-4	---
7410 11.40 Subterranean Sounds	0-4	0-2	6256 11.44 Radio London	0-3/2	---
7414 12.22 R. Fusion	0-2	0-2	6295 11.45 Radio Liberator	0-4	---
7459 10.54 Xi Aiigo	0-3	0-2	Sunday January 31st 1993		
7473 08.10 RMI	0-2-4	0-3	3910 00.10 R. Without Borders	---	0-2
7473 10.18 R. Recharge Int.	0-4	---	3910 00.20 R. Waves Int.	---	0-2
11401 08.10 RMI	---	0-3	3910 16.41 Reflections Europe	0-5	---
Sunday January 10th 1993			3915 00.38 R. Without Borders	0-2	---
3905 00.15 Unid (Asian)	---	0-2	3915 00.09 R. Without Borders	0-2	---
3910 00.21 R. Titanic	---	0-2	3927 00.27 US amateurs	0-5	---
3910 16.46 Reflections Europe	0-5	---	6205 16.46 Reflections Europe	0-4	0-2
3915 00.38 R. Without Borders	0-2	---	6209 08.41 JRR	0-1-3	---
3918 00.09 R. Without Borders	0-2	---	6209 10.55 R. Lightning	0-3	---
3927 00.27 US amateurs	0-3	---	6210 09.32 Heavy Dute R.	0-2	---
6205 16.46 Reflections Europe	0-5	---	6224 14.23 Unid (music)	0-2	---
6209 08.41 JRR	0-4	0-2	6228 08.56 DLR	0-4-5	0-2
6209 10.55 R. Lightning	0-1-3	---	6239 10.45 JRR	0-3	0-2
6210 09.32 Heavy Dute R.	0-3	---	6250 11.03 East Coast Com.	0-1	0-3
6224 14.23 Unid (music)	0-2	---	6272 08.45 Welle Wahnsinn/CR	0-3-4	0-2-3
6228 08.56 DLR	0-4-5	0-2	6272 10.34 MWSRS	0-3	---
6239 10.45 JRR	0-3	0-2	6272 10.46 R. Merlin	0-2-3	---
6250 11.03 East Coast Com.	0-3-4	0-2-3	6280 12.20 Ozon	0-2-4	0-2
6272 08.45 Welle Wahnsinn/CR	0-3-4	0-2-3	6290 13.03 Western Music Radio	0-4	---
6272 10.34 MWSRS	0-3	---	6293 13.52 Yo. Gout Sufferers	0-2	---
6272 10.46 R. Merlin	0-2-3	---	6300 11.49 R. Atlantis	0-4-5	---
6280 12.20 Ozon	0-2-4	0-2	6301 12.20 R. Lion	0-1	---
6290 13.03 Western Music Radio	0-4	---	6855 08.56 Emerald R.	0-2-3	0-2
6293 13.52 Yo. Gout Sufferers	0-2	---	6911 08.05 The Edge	0-4	0-3
6300 11.49 R. Atlantis	0-4-5	---	7140 08.45 R. Italia	---	0-3
6301 12.20 R. Lion	0-1	---	7294 11.19 R. Europe	0-2	---
6855 08.56 Emerald R.	0-2-3	0-2	7365 11.02 Unid (Dutch)	0-4	0-2
6911 08.05 The Edge	0-4	0-3	7415 10.15 Xi Aiigo	0-4	0-2
7140 08.45 R. Italia	---	0-3	7473 08.49 RMI	0-2-3	0-3
7294 11.19 R. Europe	0-2	---	11401 09.06 RMI	---	0-3
7365 11.02 Unid (Dutch)	0-4	0-2	12265 11.09 Breckin' R.	---	0-3
7415 10.15 Xi Aiigo	0-4	0-2	Sunday January 3rd 1993		
7473 08.49 RMI	0-2-3	0-3	3915 21.39 R. Fabela	0-2	---
11401 09.06 RMI	---	0-3	3910 02.07 R. Titanic	0-5	---
12265 11.09 Breckin' R.	---	0-3	3915 00.05 R. Magic	---	0-3
Sunday January 3rd 1993			3927 01.15 Unid US amateurs	0-3	0-3
3915 21.39 R. Fabela	0-2	---	4764 13.46 R. Pavea	0-2	---
3910 02.07 R. Titanic	0-5	---	6200 12.00 R. Ridiculous	0-4	0-3-4
3915 00.05 R. Magic	---	0-3	6205 17.23 Reflections Europe	0-5	---
3927 01.15 Unid US amateurs	0-3	0-3	6209 11.07 JRR	0-2	0-2-3
4764 13.46 R. Pavea	0-2	---	6228 09.47 DLR	0-4	0-2-3
6200 12.00 R. Ridiculous	0-4	0-3-4	6230 09.48 JRR	0-3-4	0-2-3
6205 17.23 Reflections Europe	0-5	---	6273 08.32 Southern Music R.	0-1	0-3
6209 11.07 JRR	0-2	0-2-3	6273 09.10 Unid	0-3-4	0-2-4
6228 09.47 DLR	0-4	0-2-3	6273 11.55 Merlin	0-3-4	0-2-4
6230 09.48 JRR	0-3-4	0-2-3	6279 11.15 Unid	0-1	0-2
6273 08.32 Southern Music R.	0-1	0-3	6280 11.06 Ozon	0-2	0-2
6273 09.10 Unid	0-3-4	0-2-4	6286 14.52 Unid (music)	0-3	---
6273 11.55 Merlin	0-3-4	0-2-4	6290 10.00 Free R. Service London	0-4	0-2
6279 11.15 Unid	0-1	0-2	6300 10.03 R. Lion	0-2-4	0-2
6280 11.06 Ozon	0-2	0-2	6300 12.38 Atlantis	0-3	0-3
6286 14.52 Unid (music)	0-3	---	6400 10.04 MWS	0-4	0-3-4
6290 10.00 Free R. Service London	0-4	0-2	6855 08.37 Emerald R.	0-4	0-2
6300 10.03 R. Lion	0-2-4	0-2	6911 09.58 R. Dublin	0-3-4	0-3
6300 12.38 Atlantis	0-3	0-3	7294 08.52 R. Europe	0-3	---
6400 10.04 MWS	0-4	0-3-4	7360 13.26 R. Pacan	0-4	0-3
6855 08.37 Emerald R.	0-4	0-2	7360 13.27 Live Wire	0-4	0-3
6911 09.58 R. Dublin	0-3-4	0-3	7412 11.26 Subterranean Sounds	0-4	2-3
7294 08.52 R. Europe	0-3	---	7410 13.06 R. Pacan	---	---

frs goes dx

frs goes dx

6911 08.44 Radio Dublin 0=3 ---

Sunday January 31st 1993 *

3910 16.13 Radio Reflections 0=4 0=2 Religious
 6198 08.53 Radio Delta Ruurlo 0=4 0=4 Testing;old px tape
 6200 14.29 Unid 0=1-2 ---
 6205 16.12 Radio Reflections 0=5 0=3 //3910
 6210 09.56 Radio Lightning Int. 0=2 ---
 6210 11.57 Radio Atlantis 0=4 ---
 6213 08.54 Radio Nolan 0=4 0=3-4 Annual show
 6223 08.55 DLLR 0=4 0=3 Popmx

6230 08.56 JRR 0=4 --- See news
 6240 08.57 Eurpean Pirate R. 0=4 --- Via NISWRS
 6240 10.52 NISWRS 0=2 ---
 6240 11.00 Radio Merlin Int. 0=4 --- Via NISWRS
 6250 11.59 Radio Mi Amigo 0=3 ---
 6280 10.31 Unid 0=4 --- Cont. mx
 6285 08.11 Radio CLCG 0=3 0=4 Via RLI
 6285 09.20 Radio Lowland Int. 0=4 0=4 See news;raided
 6295 10.08 Radio Caroline 0=5 0=3 Rock service
 6400 09.28 Radio Free London 0=4 0=3 Ann. as RFL 90.1 FM
 6400 11.08 Radio Aries 0=4 0=3-4 Via WNKR?
 6911 10.09 Radio Dublin 0=2 0=2
 7470 10.34 Radio Brigitte 0=2 0=3

Saturday February 6th 1993 *

6200 10.00 Renegade Sounds 0=4 --- See news
 6203 09.50 Unid 0=2 ---
 6210 09.51 Radio Lightning Int. 0=2 ---
 6210 12.14 Radio Atlantis 0=5 ---
 6223 08.17 DLLR 0=4 ---
 6240 08.18 Riverside radio 0=5 --- Relay via NISWRS
 6295 10.33 Radio Caroline 0=5 0=3
 6911 08.33 Radio Dublin 0=4 0=2

Sunday February 7th 1993

3910 16.05 Radio Reflections 0=5 0=2-3 Religious
 6205 16.04 Radio Reflections 0=5 0=3 //3910
 6210 09.01 Radio Lightning Int. 0=2 ---
 6210 11.36 Radio Atlantis 0=5 ---
 6223 08.17 DLLR 0=4 0=3 Popmx
 6230 08.18 JRR 0=4 ---
 6230 10.00 Radio Milano Int. 0=4 ---
 6240 07.59 Riverside 101 0=4 --- Via NISWRS
 6240 08.26 Radio Marabu 0=4 --- Via NISWRS
 6240 13.06 Radio Merlin Int. 0=3 --- Via NISWRS
 6250 10.15 Radio ECC 0=5 0=3 Cont. music

6253 09.07 Unid 0=3 --- German station?
 6275 08.19 Radio Orion 0=4 ---
 6280 10.44 Ozone Radio 0=4 ---
 6295 10.16 Radio Caroline 0=5 0=3 From Waterford
 6307 12.56 Unid 0=2 --- TCR?
 6400 09.25 Radio Caroline 0=3 --- WNKR relay?
 6400 10.17 WNKR 0=5 0=3-4 Regular trm
 6555 08.36 Radio Brigitte 0=2 --- Awful audio
 6625 10.20 Radio Ireland Int. 0=2 ---
 6911 08.31 Radio Dublin 0=3 ---
 7473 08.32 Rainbow Radio Germ. 0=2 --- Via RWI

GENERAL

Perhaps the most exciting period as far as SW free radio broadcasting is concerned is already past, at least for another year. The festive period gave lots of listening pleasure and many, many different stations being active. It's always interesting to give some figures to find out how many stations were active and to make a little comparison with last 1991. Mind you: the given figures can differ and in case they do it's only a slight difference compared with the absolutely correct number of stations. We take a look at the Sun before X-Mas, X-Mas Day, Boxing Day, the Sun after X-Mas and New Year's day.

1991:

Sunday Dec. 22nd : 25 stations.	Sunday Dec. 20th: 30 stations.
X-Mas Day : 26 stations.	X-Mas day : 38 stations.
Boxing day : 31 stations.	Boxing Day : 32 stations.
Sunday Dec. 29th : 24 stations.	Sunday Dec. 27th: 36 stations.
New Year's Day : 16 stations.	New Year's day : 16 stations.

When reading these Statistics you may draw the conclusion that there was an increase in activity in 1992 compared with the previous year. Stations broadcasting on more than one frequency were only counted for one. Short wave is very much alive these days!

Nighttime activities on 48 metres are still at a low level but will surely increase as Spring approaches. As far as the 76 mb is concerned: it looks like this band is very popular these days. Many stations have been noted over the past 8 weeks and broadcasts are not restricted to Sat nights only! Also on rather unusual days stations have been noted in the frequency range 3900- 3950 kHz. Not all frequencies are suitable for being used. On certain channels there are strong dead carriers but it's good to see there are enough free channels. You may note in the upcoming newssection that several new stations took to the air on SW. Radio Lowland Int. was raided and Weekend Music Radio wasn't heard with the expected marathon broadcast over the X-Mas season. A pity. A last remark: it seems not many Euro pirates were received on the other side of the Atlantic. And that is a result of the everchanging conditions which haven't been particularly favourite (talking in general) looking back at the December/ January period.

Let's hope 1993 will be a GREAT YEAR for SW free radio !!

frs goes dx

frs goes dx

In December we made mention of a new Swedish station called **RADIO STARSHINE**. Don't confuse the station with Radio Starline or Radio Star. November 21st 3917 was being used and ever since the station also appeared on 7415 kHz/41 metres. That was on December 13th. Via one of our contributors we got a little info-sheet from Starshine. The station started in 1985 as a FM operation covering the neighbouring areas (where-ever that may be!) with 0.2 watts. Five years went by and the move to a new place meant that a new name was introduced: Radio MegaHawk, the original name, was replaced by Stars-hine 106. Power was upped to 1 watt. By the end of 1992 a SW rig was purchased having an output of some 75 watts, linked with a 40 metre long aerial. In contrast with Starshine's debut on SW, its second trm produced a fair number of letters, mainly from Sweden and Germany. It appears that the station doesn't want to use a fixed frequency, so you could find the station 'everywhere'. The suggestion that Starshine might have something to do with Radio Fusion is UNTRUE. Starshine's first appearance in 1993 was on the 16th of January testing on 3917 kHz at 23.45 UTC. In addition a test on 3915 in LSB mode was carried out that same night. The music Starshine plays consists of 50's/60's rock 'n' roll oldies. Kim Hawk, station OP, invites listeners to write to: S.R., 12 Dorman Rd, Preston, PR2 6AS in the UK. Don't write the name Starshine on the envelope! And: enclose US\$ 2.00 or 2 irc's for return postage. Keep an eye on the 76 mb Saturday nights around midnight UTC to pick up Starshine Radio.

WREKIN RADIO is a station which hasn't paid much attention to in this SW section so far. In fact it concerns a local FM operation broadcasting on 105.5 MHz in stereo (unlike most other community stations). As a community station, WR broadcasts pop music and local info. Part of the news service is a hourly 2 minute news bulletin on top of the hour. Apart from the local FM service, WR broadcasts in the international SW bands every Sunday morning 09.00- 12.00 UTC on 12265 kHz with a valve tx having an output of some 70 watts, but used on a level of 50 watts.



Due to RF buzz in the mixing desk, SW programming is pre-recorded in contrast with the FM shows which are live. The SW adventure started mid 1992. So far the station is quite satisfied with the response for its SW programming and this could result in the introduction of a 41 mb service. The latter isn't certain at present time.

No less than six presenters are responsible for WR's musical output: Dave Jones (station co-ordinator), Paul Kay, Stuart Scott, Chris Aston, Lee Grant and Chris Carol, all having their own style and musical preference. This difference has resulted in using the slogan "The station with the better music mix". The station's info-sheet says: the station has most of the features of a larger radio station such as putting telephone calls on air, the opportunity of using a satellite radio link as either a news service link or an opt-out programme service link and also has the facilities to produce and run its own commercials should the need arise (WR is a non-profit making station). On the whole Wrekin Radio is run in a very respectable manner with all the professional attitudes of a much larger radio station."

**C/o 51 Eastwood Boulevard
Westcliff-on-sea
Essex
SS0 0BY**

The station's music policy is basically anything from current Top 40 to as far back as 1955. The record library is impressive: it consists of over 8000 different titles on CD, 7" or 12" single and also on album format. The address to write to is: C/o 51 Eastwood Boulevard, West-cliff-on-sea, Essex SS0 0BY in England. **SERVING GREAT BRITAIN AND EUROPE ON 12265 KHz SHORT WAVE- WR INTERNATIONAL.**

In the Summer of 1992 **RADIO ARIES** started SW operations on 48 metres. So far the station has been on a few times and was founded August 30th 1992 (debut trm)


after the current station OP felt there was a shortage of Free Radio stations covering specialist programming. That first broadcast took place via Radio Mutiny's 20 watts tx. The following broadcast was in November (15th) and this time the WNKR tx was being used (as suggested in FRS DX 120). Each broadcast features the names of Chris King, Roger Davis and Andy Winter. Chris specialises in rock and reads out station mail.

Best Wishes from

RADIO ARIES

P.O. BOX 220342,
W-5600 WUPPERTAL 22, GERMANY

To _____
Date _____
Frequency 3.3h August 1992
Time 1.34 hrs
Time 04 UTC
Sunpo 23.5.93



Pirate Broadcasting to the World

FIGHTING FOR FREE RADIO ON THE SHORTWAVE BANDS

Roger plays Motown Gold and gives info about that era while Andy hosts a musical show containing each time a different type of music. Important for Radio Aries was the good response on its debut trm: 20 letters. The 2nd trm almost gave the same number of letters. To keep the station sounding fresh and new, it was decided that only once in a 2-3 month period broadcasts will be carried out. This is-according to the staff- more interesting for the listeners and in this way the station hopes to get more mail than if broadcasts would be made on a much more regular basis. The initial aim of Radio Aries is to input both enjoyable and relaxed sounding programming onto SW bands to be listened to by people of ages. In the eyes of FRS DX Radio Aries is a welcome addition to the SW free radio world. Hopefully the station is able to remain broadcasting for many years to come! The first 1993 appearance on SW was made on the 5th Sun of January on 6400, perhaps a WNKR relay? A good signal was noted. Address: (1).

RADIO ARIES

P.O. BOX 220342,
W-5600 WUPPERTAL 22, GERMANY

frs goes dx

frs goes dx

Is this a joke or not? According to the sender of the following report it isn't. A brandnew station called RADIO LOLLIPOP will hit the airwaves on 48 metres in the very near future (perhaps the latter did already take place?). The station calls itself "The children's only free radio station on SW" or to put in German "Die Kinderwelle auf der Kurzen Welle". The OP expects a good response for their shows from youngsters. Interested in a qsl? Send a detailed report to (1) and enclose sufficient return postage. Perhaps the qsl below proves this is a serious initiative....

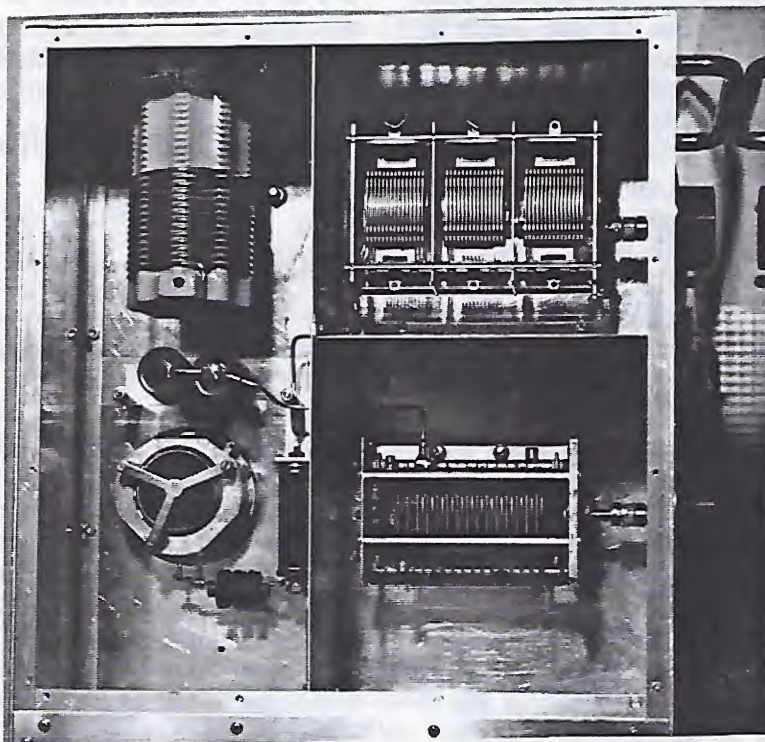
RADIO TITANIC INT. from Germany were heard Boxing Day on 6262 via the facilities of the NISWRS. Station OP Mark Brown tells us that RTI will be making a break with 'normal' shows. The station will be back next summer when further lengthy shows may be put on the air. Keep an eye on 76 metres as RTI could be heard via the facilities of Radio Without Borders Int. in Russia. Any correct 76 mb report will be rewarded with a special qsl-card. Address is (1).

Some weeks ago we received the first info-sheet of the new German SW project RADIO NORDSEE INT. On the info-sheet a potted history of RNI starting in 1964 on an artificial isle off the Dutch west coast till the end of the RNI offshore era August 31st 1974. The Mebo II was sold to Libia. Since August 31st 1990 a new RNI was heard: the Norwegian RNI started satellite radio programming via Intelsat. The RNI SW project started early 1992 but it took more than 7 months until the station's first real test was conducted on 6252 kHz. Plan is to start a regular 48 mb service on Sunday mornings. The German RNI SW service is hosted by Mike Anderson. The output consists of the greatest hits of 60s, 70s, 80s & 90s. It's the intention to start a DX show called "Northsea goes DX". Listeners' letters will also be part of the programming. RNI was noted Dec. 13th on 6252 and a week later via the NISWRS on 6262. January 3rd RNI was heard twice: on 6252 from Germany as well as on 6273 via the NISWRS. Signal quality on 6252 was fair on the continent. Address is (1).

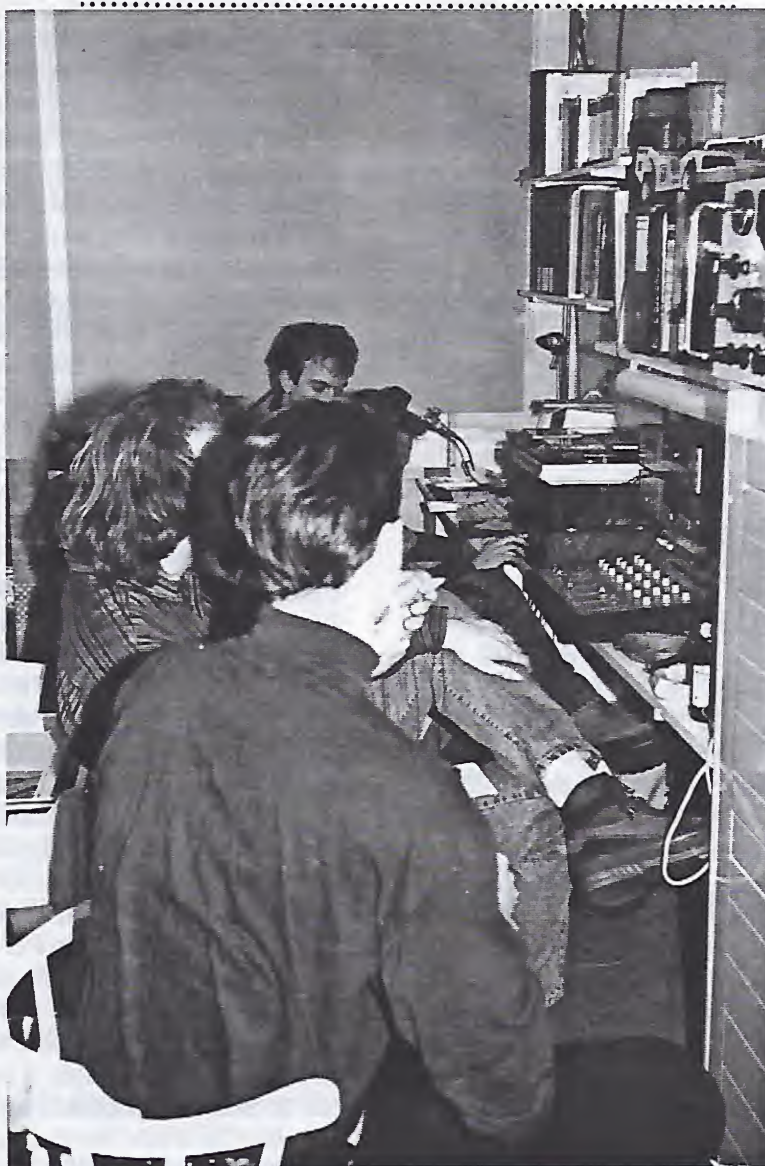
RADIO LOWLAND INT. has become a regular Dutch SW broadcaster. Most Dutch radio stations on SW are to be found in the eastern regions of the Netherlands. RLI seems to be an exception, as explained in the good looking info-sheet: the name Lowland was chosen because the station people live in an area below sea level. And the only Dutch areas below sea level are to be found in the west! RLI started as a FM station in 1977. In those days the name Zanzibar was being used. In 1980 Zanzibar was raided by the infamous RCD and that same year the station returned on FM as Radio Tropical. FM operations were mainly carried out to qso with other stations. In fact- and that must be a surprise to most SW listeners- Lowland started in April 1982 making use of a transformed army-transmitter with an output of approx. 18 watts. In those days 6262 & 6285 were being used. SW activities couldn't be continued due to studies and a removal to a new location. 10 years later, 1992, Lowland returned to the European free radio airwaves. For that purpose a new tx was constructed resulting in a first test October 25th on 6285. A new start for an 'old' station. Broadcasts are taking place once a month on 6285 kHz and this is a fairly regular sequence

although the station itself talks about "broadcasts on an irregular basis for safety reasons". Perhaps they mean with irregularity is that no fixed Sunday have been scheduled. RLI does certainly not play the usual kind of music. The format consists of a non-commercial type of music, mainly being album rock. Besides there is a DX Show in which also the mail is being read out. For the technically minded among you: the RLI tx is a home built unit. The oscillator/driver is PLL-controlled and generated 5 watts of power. The signal goes to a low pass filter before reaching the output stage containing a LF modulator and a RF amplifier. Four 150A valves (air cooled) give an effective output of 160 watts. The tx is linked to a inverted V type antenna sytem, hanging on a height of 15 metres. Address is Box 39, 2300 AA Leiden in the Netherlands.

On Boxing Day RLI was heard on 6285 with a solid signal. Also the mod level was OK: much better compared with a few months earlier. Broadcasts usually last 3 to 4 hours and this one was no exception. In January the station was heard on the 17th and on the 31st. On the latter Sunday CLCG was also heard on 6285, obviously via the 160W Lowland tx. A female voice read out



RADIO LOWLAND INTERNATIONAL
P.O. Box 39
2300 AA Leiden, Holland.



letters and at approx. 10.17 UTC the station suddenly left the airwaves. As we were tuned in to the station at the moment the signal disappeared- it was in the middle of a programme- we had our suspicions about a raid. Ofcourse it could have also been technical problems. Five days later we received a letter from RLI: "our Jan. 31st broadcast was suddenly interrupted by an unexpected visit. The RCD (nowadays they are called OCD) thought it was necessary to take us off air. This happened at about 10.10 UTC (in fact it was slightly later-PV). A few days prior to the transmission, a local paper reported about a FM station being raided.

Despite this publication we felt the broadcast had to go on. The transmitter won't be destroyed, it will be put in the P.T.T. museum (which is in Nederhorst den Berg where two 10W FRS txs are "living" since January 1983-PV). We expect to return on air in the summer of 1993."

We'd like to thank the RLI crew for sending us so quick the information and photos. Good luck for the future and we'll keep in touch. The RLI Newsletter 2 is now available. It is certainly looking good and worth while to obtain. The photo on the previous page shows the 'central heating system' of the tx. The above photo is taken in the RLI studio Jan. 1993.

RADIO ATLANTIS made its first full trm December 18th on 6400 kHz. More than 60 letters have been received in the mean time plus over 35 telephone calls. According to its Fact Sheet Atlantis broadcasts every Tuesday, Thursday, Saturday and Sunday but it is added 7 days a week operation between 12.00-16.00 UK time is what the people behind Atlantis are aiming at. Interesting to know is that the antenna, a 48 metre random wire dipole, is connected between tow blocks of flats. The transmitter is located on the roof of a tower block with the audio lead in the lift shaft... That's what you call REAL free radio! First trms were carried out with low power but at present time some 50W are fed into random wire dipole. The station was active Dec. 6th and 24th on 6301 and the 26th/27th December on 6400. Although it wasn't mentioned in other free radio publications we are told by our UK SW contributor Morris Walker- usually a very reliable source- that Atlantis was also on 6400 Dec. 20th and clashed with WNKR. Atlantis came on with a test whilst WNKR was still on air. Salient detail: WNKR was repeating the Dec. 6th programming because at that date WNKR was suffering QRM from...Atlantis. Morris' appropriate remark:"don't they bother to check to see if the channel is free?". It SEEMS the problem is finito 'cause Atlantis won't be using 6400 anymore on 1st Sundays of the month. Back now to the broadcasting side: Jan. 9th/10th Atlantis was to be heard on 6300 with a solid signal in the UK, although it must be pointed out that the mod levels are varying too much. Jan. 31st Atlantis pooped up on 6210. Apart from the week-ends, Atlantis has been heard in the UK during numerous weekdays. The station is based in Central England (Midlands). The new address is 52 Hackwood House, Hartlebury Rd, Oldbury, Warley, West Midlands B69 1EG in England. We do mention it once again: Radio Atlantis has no links at all with the former Radio Atlantis SW from the UK.

RADIO DELTA ELBURG informed us they were rather curious about the results of a test broadcast which was carried out on 11405 kHz Sun Nov. 15th 1992. Apparently the station didn't receive many letters for that debut trm on 25 metres

If there's anybody who heard the station on that date, he's kindly asked to still send in his report. During the X-Mas festive season Delta was very active: Dec. 23rd, 25th & 26th the station was active on 6203 kHz which is used as a fixed frequency. Radio Delta calls itself "the one and only real Radio Delta". Delta Elburg started on SW in April 1982 on 6275 kHz. Already in 1978 international medium wave trms were broadcasted on the in those days famous 227 metres wavelength. Nowadays the station only concentrates on SW. According to a Delta newsletter the transmitting power is 35 watts but witness the excellent signals in several countries, power must be a few hundred watts. Radio Delta has to deal with two other Dutch powerhouses also making regularly use of frequencies close to 6203: Delta Ruurlo on 6198.7 and Radio Orang Utan on 6200.5 kHz. Boxing day Radio Delta's strong signal made reception of Radio Action on 6207 kHz sometimes very difficult. The Delta OP has informed us that 1993 will bring some changes: tests on new frequencies (76, 25 & 19 metres), a new programme schedule with more info for the listeners and new jingles. Address is Box 41, 8080 AA Elburg in the Netherlands.

RADIO ACTION was heard with its once a year X-Mas broadcast Dec. 26th on 6207. Most of the time a good signal was noted although at some stages Action was clashing with Delta Elburg. Delta's sidebands were so strong that 4 kHz difference wasn't enough to completely separate the two station's signals. Radio Action is usually active on medium wave under a different name. Address is Box 26, 7030 AA Wehl.

RADIO NORTH INT. was heard Nov. 29th on 6225 with mainly non-stop music. For many DX-ers it was the first time they heard the station but according to the RN people, a number of broadcasts went out prior to the 29th. In the UK a fine signal was noted. The idea is to purchase a stronger transmitter. Address is unknown.

In issue 120 we told you about possible tests of RADIO PAMELA on 6400 kHz and 41 metres. Nov. 30th 6400 and 7490 were being used. In December Pamela put

out a great number of trms, mostly on 6300 or 6400 kHz. A three hour X-Mas special went out December 19th on 6400 kHz. X-Mas day Pamela was briefly on 6400 while 7490 was tested on Boxing Day. Pamela is working with a small rig but looking at the results you should expect the station using more power. A good site and a proper aerial which is perfectly matched to the tx are very important factors and no doubt these factors benefit the low powered signal. Pamela was also monitored on a few weird frequencies. Jan. 2nd/3rd 2382 and 4305 were tried out. On the latter utility QRM made reception rather bad. On 4764 a 2382 harmonic was noted! Fri Jan. 8th 2382 was again used including the harmonic. Address is Box 2425, 119 Anaheim, CA 92814-14895 in the USA.

RADIO STELLA INT. returned on SW Sun Nov. 22nd following a 3 month absence (August 1992). RSI made use of the well-known frequencies being 7446 & 11413 kHz. Dec. 6th and Dec. 20th RSI was off air and the last time the station was logged was Dec. 27th. The definitive return of weekly programming could happen within a limited period. The following temporary address is valid: 82 Pentland Place, Kirkcaldy in Scotland.

EMERALD RADIO from Ireland has become a fairly regular SW broadcaster. Also during weekdays Emerald is active. Most of its output was to be heard on 6240 although on the 27th of Dec. 6855 was in use. Signals in the UK are good, on the continent poor/fair. It appears that 6855 has become the new fixed channel. Address is 8 Inverness Rd, Dublin 3, Co. Dublin in Ireland.

WEST & NORTH KENT RADIO was heard with two first Sun of the month trms: Dec. 6th 1992 and Jan. 3rd 1993 being the first broadcast of the New Year. During the Dec. trm, WNKR was forced to leave the location and moved to a new one. As a result the programming started later but the problems remained. This time an annoying heterodyne was noted because of Radio Atlantis also using 6400!! Two weeks later the 6th Dec. broadcast was repeated, and during part of the morning Atlantis was also on 6400 although this time WNKR's signal was clearly stronger. Dec. 12th a small tx was tested. On Boxing day WNKR repeated its

first free radio show. There's a chance that WNKR will be using a 25 MHz later on this year. Address is still the Wuppertal one (1).

RENEGADE RADIO broadcasted all December Sundays except the 27th. On the 29th November the station had to leave the airwaves earlier than planned because of local problems (interference??). Sun Jan. 17th when Renegade Sound- that's the new name- was noted on 6233, a rather crass remark was made about the Radio Geronimo people: the latter were accused of having stolen the Renegade transmitting equipment a few months earlier! RS aims at a Sat schedule 10.00- 12.00 including DX news. Frequency: 6200 kHz. Dance music is the major ingredient of the station's programming. Address is (and we hope to be correct) 32 Victoria Rd etc. (3).

LIVE WIRE RADIO tested on 11410 in FM mode Sun Dec. 6th. Power was around 75 watts. A week later a test was carried out on 6292, later on that day also on 6202. Especially in the UK LWR has an excellent signal with both sidebands splattering 10 kHz. No need to say the audio is perfect. During the two X-Mas days LWR was only heard on 3910 at nighttime. NO daytime pxs were heard on 48 metres. Dec. 27th Bill Lewis got a visit from Chris, the former Radio 48 OP who took with him a 15 watts tx running on 7411 that day. LWR's big 120 watts tx was operating on 6287. Sun January 3rd LWR was to be heard on 7360 with a 1992 review as far as the music is concerned. An interesting programme indeed. It was a surprise to know that a medium wave test was aired in the night of Jan. 16th to Jan. 17th on 1509 kHz with 110+ watts. The test came from a mobile site and a dipole, matched for 1509 was being used. Especially in the UK good reception was noted but also in Sweden LWR could be picked up in a fair quality. Address is 30 Pinewood, Ballybrack, Co. Dublin in Ireland.

SUBTERRANEAN SOUNDS has turned into a regular 76 mb broadcaster. It seems to become more and more clear that also outside the weekends stations are active on SW. Especially UK stations are regularly noted on various frequencies during weekdays. Just think of

Pamela, Atlantis and also Subterra nean Sounds. In most cases the station is using 3944 kHz. X-Mas Eve and the early morning of Boxing Day the station was heard on the latter frequency with fair/good signals. Jan. 3rd pxs were monitored on 7409 with strong signals in the UK. That same frequency was also used on the 17th & 31st of January with a poor/good signal in the UK. The signal difference could be a result of skip and depends on the location of the listener! Address is (3).

RADIO SILVERBIRD has been doing a number of tests two months ago. Sat Dec. 5th various frequencies were tested under the name Test Pirate. It concerns 6229, 6269, 6274 and 6277. The next day a two hour show was aired on 6268 kHz. Power was in the region of 100W (??) and a new vertical groundplane was connected to the powerful tx giving fine signals. Apart from those broadcasts and one on Dec. 27th Silverbird has been rather inactive. Plans for 1993 include monthly programming every last Sat of each month. Address is Box 13, 7595 ZG Weerselo.

RADIO ARMADILLO is a brandnew UK based SW station which was heard with engineering tests Fri Dec. 4th and Sat Dec. 5th. Both times 6285 kHz was in use. Signals were poor/fair, mainly due to a lowish mod level. A rather strong signal in the Midlands could point a location somewhere in Central England. Address is unknown.

RADIO EAST COAST COMMERCIAL can nowadays be heard each and every first Sun of the month on 6250 kHz. The traditional X-Mas Show went out Dec. 25th. The day before Norman tested its equipment with a good signal on 6250. Jan. 3rd RECC was missing for some reason but instead the station was active Jan. 10th. The popular DX-Show is part of the programming much to the delight of many free radio enthusiasts. Address is 9-11 Church Street, Cromer, Norfolk NR27 9ER in the UK.

FRS LONDON was heard on various occasions in December. Sun Dec. 20th FRSL was noted on 6204 & 6238. Programme content consisted of music, IDs and free radio extracts. Dec. 28th the station was active on 6295. Jan. 3rd 6288 was

used. One of the programmes in December was ended with a FRS-Holland jingle. Only: the word 'Holland' was replaced by 'London'! No address has been mentioned in the programmes so far.

RADIO PIRANA keeps on testing on weird frequencies. Nov. 29th and Dec. 6th 12392 was used with some 70 watts while also 21525 has been tried. The OP has left Europe for two months and tries to reach Europe with trms emanating from South America! These broadcasts could take place on 15013 kHz during weekends at 10.00 and 23.00 UTC. We are curious whether the Pirana OP succeeds in reaching the European continent!! Address is C/o Kamnarsvagen 13D:220, 22646 LUND in Sweden.

BRITAIN RADIO INT. was very active in December. The Oldies Sun was Dec. 13th: BRI broadcasted on 7360 & 6235 kHz. X-Mas Eve the two rigs were tested in preparation for the special X-Mas programming which didn't go out on Boxing day but on the 25th. Fine signals were heard in the Netherlands on both frequencies. JRR carried BRI programming on 6209 kHz Dec. 25th, this was different from the output on the aforementioned frequencies.

**BRITAIN
RADIO
48 METRE BAND
S.W.
SUNDAY
MORNINGS
INTERNATIONAL**

An annoying incident took place at the end of the X-Mas Show: just after the audio disappeared and only a carrier was noted, an unknown station appeared on top of the 6235 carrier and a voice was unmistakably saying "what a load of crap", clearly referring at BRI's programming. That same day Radio Orion made some rather negative comments about BRI and according to BRI's station-manager Roger Davis, who informed FRSGDX personally about the things going on, this has already been going on for a few months. Silly things have been said about BRI and Roger but also Norman Nelson

of RECC has been put under the Orion hammer. As Mike Wilson's (Orion) comments were getting abusive, Roger decided to respond and did so during BRI's Dec. 27th broadcast. Roger thinks the bottom line is that Radio Orion is not getting much listeners response and a tinge of jealousy is creeping in about BRI's and other stations' continued popularity. Apart from the 25th, BRI was relayed by JRR Dec. 24th, 26th (on 6209) and Dec. 31st (6239). Jan. 1st a brief show went out featuring good old Freddy Archer of Radio Caroline SW fame. It looks like BRI is going strong in 1993! Address is (3) & (4).

RADIO MI AMIGO, the station run by former WNKR presenter Terry Philips, carried out a 5 hour broadcast X-Mas Day 12.00- 17.00 UTC on 7459 kHz. Boxing Day 7459 was also used and in addition 7375 (test). Apart from the X-Mas pxs Mi Amigo was heard Dec. 19th/20th and Jan. 10th (7415) and 17th & 24th (7459). Jan. 31st Mi Amigo was for a change on 6250 in the 48 mb. Address is (1).

It must have been rather disappointing to many DXers knowing that **WEEKEND MUSIC RADIO**, Scotland's premier SW station, didn't carry out lengthy programming over the X-mas period. Dec. 25th WMR was for a brief period on 7445 and 6285 and in the early morning of Dec. 28th 3910 was in use. During several occasions WMR was heard on 76 metres (see loggings). Address is (2).

Almost forgotten but still a popular radio station among SW enthusiasts: **PIRATE FREAKS BROADCASTING SERVICE**. The station is still alive although nothing was heard for a long time. Generally speaking 1992 was most of the most inactive years for the station. Dec. 6th PFBS was noted on 11422. On X-Mas Eve PFBS was calling CQ on 3910 and this frequency was also used during the late evening of Dec. 25th and 26th. Signal quality was as always very good. In this respect PFBS has a good reputation. We are curious whether 1993 will bring more PFBS, perhaps also on 48 metres?? Address is P.O.Box 386, 5900 AJ Venlo in Holland.

RADIO FUSION from Sweden has been heard a number of times in December. Mainly in the 76 mb around 3915: 3920, 3915, 3912 and Dec. 20th also on 7415 41 metres. Sat Jan. 16th Fusion was noted on 3913 kHz and on the 17th on 7415 in USB with some 'nice' comments about FRS-Holland. Fusion is a relatively new station which has been very active since the start in October. Fusion is not a station purely concentrating on the programming side of the radio hobby. Regularly the station is making CQ-calls. For 1993 Fusion plans Sun morning broadcasts on 7415 kHz commencing at 9, 10 or 11.00 UTC. There's a good chance future programming will be in USB rather than AM. According to Fusion's main man Jolly Jake, a SSB signal can be better understood compared with an AM one. As far as 76 metres is concerned the station will be airing pxs most Sat nights. Power is in the region of 35 watts fed into a half wave dipole. Fusion concentrates on rock and fusion certainly bringing some fresh taste in SW free radio land. Address is Media Team, Box 33, N-1751 Halden in Norway.

HEAVY DUDE RADIO, yet another new Swedish SW broadcaster, was heard Sun Nov. 29th, Dec. 20th and 27th and Jan. 10th. All trms took place on 6210 kHz. As quite a number of colleague stations are using 6210 or frequencies close to 6210, HDR plans a move to another free 48 mb channel. Pxs of HDR are longer than the average SW pirate: some 3 to 4 hours. The station prefers playing (heavy) rock music. Address is same as Radio Pirana: C/o Stefan Printz, Kännärsvägen 13D:220, 22646 Lund, Sweden.

X-MAS RADIO remains a rather controversial station. To make things clear: as far as the programming side is concerned there's no link at all between FRS-Holland and X-Mas. X-Mas started 3 or 4 years ago and ever since annual programmes have been heard in Europe on Dec. 25th and 26th. 1992 was no exception. Dec. 24th X-Mas Radio was active on 3910 between 21.15-22.30 CET. On the 25th between 06.45-09.00 CET on 7590, 12.15-17.00 on 7558 (with the main programming) followed by a repeat on 3910 kHz between 17.00-21.00 CET. On Boxing Day X-Mas tested between 04.00-05.00 to North America on 7558. Between 13.00-17.00 the

main programming was aired with a 3910 repeat between 17.00-21.15 on 3930 kHz. Several professional broadcasters participated in the programmes with an obscure musical format and ironical comments on a number of subjects. There's no address to send in your reception report.

RADIO BENELUX from Germany can be heard once a month on 7479 kHz with usually a good signal. Heavy rock is what the station prefers. Benelux was heard Dec. 13th but this broadcast ended a bit earlier as was intended because of security reasons. Jan. 24th Benelux started a new year of 7480 broadcasts with a poor signal in the UK and a fair/good on the continent.

RADIO BRIGITTE, Belgian's only SW free radio station, has been noted various times in recent months. Remarkable is the choice of frequencies: Brigitte never transmits on 48 metres but prefers a number of frequencies within the 6400-6600 and 7400-7500 kHz range. There's no fixed frequency in use. Frequencies which were used in December are 6550, 6552, 6558, 6479, 6482 and 7467. The exception which proves the rule was a 6217 broadcast on Dec. 20th and a 6212 one on Sat Dec. 19th. Address is Box 10, 7954 ZG Rouveen in the Netherlands.

RADIO CARRIERWAVE made a surprise return on SW after a 6 month break as a result of a raid (see FRSGDX 118). Sun Nov. 21st RC was active on 6202. X-Mas Day and Boxing Day Carrierwave was resp. heard on 6235 and 6220 kHz. We hope to get in touch with the sympathetic RC OP informing us about the station's future plans. Address remains Box 2188, 3000 CD Rotterdam.

RADIO DELTA from Ruurlo have been noted several times on their fixed 6198.7 kHz frequency using a very powerful tx (approx. 400W). Delta is now seriously concentrating on programmes and for that reason station OP Gertie has approached a good friend who's now hosting the pxs. Delta plays a mixture of pop mx styles with the emphasis on rock. Over the X-Mas period Delta was logged with a few brief pxs. Jan. 31st the station was testing: an old px tape (from Dec. 1992) were played, interrupted and repeated. Address is P.O.Box 65, 7260 AB Ruurlo in Holland.

JOLLY ROGER RADIO from Ireland was heard every Sun in December. Apart from that the station was also active on a daily basis between Dec. 20th and 27th. Obviously JRR didn't like the idea of DLLR 106 capturing 6227 (JRR used to be on 6229/6232) and changed to 6210 kHz. Reception on the continent is poor/fair. In the mean time it looks like DLLR has moved a few kHz down the band to 6223. The first time that DLLR used 6223 on a Sun was Jan. 31st and as a direct result JRR returned to 6229 kHz! Whether DLLR will stay on 6223 is not for sure but perhaps both DLLR and JRR have come to some sort of agreement. Would be nice. Address is P.O.Box 39, Waterford in Eire.

More Irish news: **RADIO IRELAND INT.** was heard Dec. 20th on 6625 with its own tx. Relays have been taking place a number of times in December on 6210 & 6239 via JRR. Address is Box 452, Wellsville, NY 14895 in the USA.

RADIO MERLIN INT. can now be regularly heard via the facilities of the NISWRS on 6262 or 6273. Jan. 31st Merlin was heard on 6240 and also a number of times in February. Seems the NISWRS is trying several frequencies these days. Address is Box 1218, Chelmsford, Essex CM1 4BD in England.

The **NORTHERN IRELAND SW RELAY SERVICE** seems to be quite successful with its relay facilities as several stations booked air time in January for only £ 5.00 per 90 minutes. The usual rate is twice as much. Up till now the station didn't commence a regular service on 9980 kHz although this idea was seriously considered a few months back. There is a chance the station will be using more power in future. Apart from 6262 the station has also been noted on 6295, 6240 & 6273 kHz. Address is (2).

RADIO ORANG UTAN can usually be heard once a month. In December the station was heard during three occasions: Dec. 6th, 20th and 25th. Pxs can be heard between 08.00-11.00 UTC on 6200.5 kHz and signal quality is always excellent. Freddie can be contacted during the pxs via 8363-1872. Address is P.O.Box 114, 7040 AC 's-Heerenberg. The transmitter

is connected to an antenna which was originally used for medium broadcasts. Freddie says he didn't change anything at all, so in fact the aerial is not matched to 6200. Hearing the signal you should expect the aerial IS matched. Coincidence or...?? The first 1993 programme went out on Sun Jan. 24th on the usual 6200.5 kHz channel.

SOUTHERN MUSIC RADIO from New Zealand will continue via the tx of the NISWRS with 60 min. pxs each month. Relays via RWI will also continue. In January SMR was heard with an extended programme schedule via the NISWRS: 3 hours of pxs were aired. Address is (4).

RAINBOW RADIO GERMANY, the station which returned to the European airwaves a few months ago, remains fairly active on SW. Nov. 29th on 7473 & 11401 via RWI, Dec. 20th on 7484 (perhaps via Marabu?) and on the 26th on 6218. The latter two trms were also via relay-stations. Also in 1993 RRG will be heard on 7293 over the tx of Radio Europe in Italy (sun mornings). A Rainbow photo set can be ordered by writing to P.O.Box 202, DW-6440 Bebra in Germany.

A new Dutch station called **POWER AM** popped up X-Mas Day on 11420 kHz, certainly an unusual frequency for a debut show! Pxs were running live with 120W and we have a sneaking suspicion this broadcast came from people who have already been on SW but now where operating under a different name. Signal was fair. Address is not known.

RADIO PEACE in ACTION is a serious kind of political station trying to make people aware of subjects like environment, racism, wars etc. RPiA was heard Sun Dec. 27th via the NISWRS. Hopefully next time some more news about the 1993 activities of this station. Address is (1).

RADIO LIGHTNING INT. is one of the newer names in SW free radio land. A handful of transmissions took already place in Dec.: on the 5th, 6th, 12th, 13th, 19th and 20th. Main frequency is 6210 kHz. The first (?) 1993 trm was noted on Jan. 10th, once again on 6210. The station is hoping to install a better tx in future. Address is Box 10, Stuart House, Kings Street, Droylsden, Manchester in the UK.

DUN LAOGHAIRE LOCAL RADIO from Ireland returned on SW in December and ever since the station is putting out a 24 hour a day 7 days a week schedule on a new frequency: 6227 kHz. The station used to be on 6220. Unfortunately this forced JRR to leave 6229 (see elsewhere). DLLR is in fact a local FM station and the SW output consists of relays of the FM service and also pre-recorded pxs. Signal quality on the continent is fair/good depending on conditions. Sun Jan. 31st DLLR was heard on 6223 instead of 6227, perhaps to enable JRR to return to 6229? Address is Dun Laoghaire, County Dublin in Ireland.

The **CLANDESTINE LISTENERS CLUB GERMANY** was heard via a new relay-station on 6285 Boxing Day. The first 1993 broadcast has already taken place (although it was set for early February), namely on Sun Jan. 31st on 6285. Could have been via the powerful Radio Lowland tx! Future plans include also relays on medium wave. On SW the station is making use of a few relay stations. CLCG broadcasts in German and English and concentrates on pop music and info in its shows. Address is P.O.Box 540101, DW-4100 Duisburg 54 in Germany.

After a long absence on SW two well-known Dutch stations made a joint broadcast Dec. 31st on 6205. It concerns **RADIO EAST COAST HOLLAND** and the **VOICE OF THE NETHERLANDS**. This was certainly not some kind of return on SW: both OPS' inactivity can be traced

back to numerous private circumstances. In fact the stations have never intended to put an end on their activities. The only thing is that both were very inactive in 1992. Perhaps something will change in 1993. Addresses are: P.O.Box 536, 7900 AM Hoogeveen (RECH) and P.O.Box 669, 7900 AR Hoogeveen (VOTN).

SHORT WAVE MISCELLANY

RADIO NYTROZONE was heard with a fair signal on 6292 Bank Holiday Monday Dec. 28th. Address is (4)*****RADIO LION** is a new station which was heard for the first time Dec. 27th on 6300 kHz. A week later, Jan. 3rd, another broadcast took place on the same frequency. Good UK signal!***The German **CLANDESTINE RADIO SOCIETY** was noted Dec. 13th and 25th on its fixed 6527 frequency. Mikel Air confirms the station has a **MOD** problem. It seems that the tx OP isn't able to solve the problem. The tx is standing somewhere in France. Address is (1)*****RADIO CLAYMORE**- who remembers the station from a few years ago claiming broadcasts were emanating from an oil platform in the North Sea- popped up on SW in the afternoon of Sun Dec. 13th on 7425 kHz*****RADIO GEMINI** was heard with another repeat of their 20th birthday. Dec. 26th Gemini was noted on 6239 via JRR***Good old **OZONE** from Ireland was heard most Dec. Sundays on 6280. Signals on the continent are poor. In the UK they tend to be good most times*****STATION SIERRA SIERRA** made one of its rare broadcasts Dec. 13th on 6262*****UK RADIO** is linked with Orion in one way or another. Dec. 25th the station was heard on 6275. Address is 6 Worcester Street, Wolverhampton, West Midlands WV2 4LD in the UK***The **WEST GERMAN PIRATE ORGANISATION** is a joint venture of a number of German SW free radio stations. After an absence of a few months the station popped up on 6288 Nov. 29th. Address is (1)*****RADIO WAVES INT.** has been putting out some strong signals on 7473

The Short Wave addresses:

- 1 = P.O.Box 220342/DW-5600 WUPPERTAL 22/Germany
- 2 = 14 Stone Row/COLERAINE/Co. Londonderry BT52 1EP/Northern Ireland
- 3 = 32 Victoria Road/SALISBURY/Wiltshire SP1 3NG/England
- 4 = Box 130/92504 RUEIL Cedex/France



U.S. FREE RADIO NEWS

BY ANDREW YOSER

frs goes dx

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Howdy again folks! As I write this column, it looks promising that I'll actually get it in on time (imagine that). Loads of activity as of late-especially over the Halloween season. In North America, we had over 20 different stations (not including relays) on the air in a 24-hour time period- truly one of the best US pirate DX days in the history of the scene. And in Europe, over 40 different stations (relays included) were mentioned in Free-DX over the weekend. Unfortunately, the conditions died after 02.00 on Halloween and most of the stations that operated then were heard by barely anyone. Maybe conditions will improve for next year when we do it all again.

I definitely hope that European stations will continue to test to North America, in spite of the relatively poor results this year. The conditions were bad for much of the tests, and utilities were a killer. We had HUGE (S9+30 or 40) utility signals on approx. 6260 and 6230 kHz on Halloween evening. Because of these utilities, we had no chance of hearing many of the pirates who were testing: NIRS, Britain Radio Int., Jolly Roger Radio etc. The following story is about our DXpedition and is slightly changed from the original, it was like on the other end of the tests and also maybe you will want to setup some DXpeditions to North American pirates!

Halloween DXpedition

As promised last time, here is some of what happened. maybe this article will inspire a few people to go out and try some DXpeditions. They're a lot of fun to hang out & talk radio & also to play with some nice, long directional antennas. I've been really inspired by the guys from Fine Tuning, who trek off to the great outdoors to sacrifice personal hygiene for good DX. We might not have surpassed their excellent levels of DXing, but I believe we might have equalled or surpassed in the lack of personal hygiene catagory.

Everything started for the DXpedition when Charlie arrived on Thursday night with a van packed full: 2 R-390As (the R-390A is an excellent old military receiver from the 1960's that has

24 tubes and weighs 95 lbs), a Sony Pro-80, a complete set of new tubes, test equipment, food, a tent, a military "portable" antenna etc. After talking for a while, we went to the attic to rip apart & test the tubes in my R-390A. Somehow, the radio was still working fairly well even though 8 tubes were either weak or completely dead! With the retubing and vacuuming (the chassis was so dusty that the voltages had been arcing over), the R-390A was a pretty hot performer. We talked for a while & checked out my new R-392 (mobile version of the R-390), which had a few bad potentiometers, but worked fairly well otherwise. My only break was to walk up the street and check out a van that went out of control & nailed another van. I hit the sack dreaming of lots of Euro DX. That morning I went off to work as usual and Charlie picked up more food. I bailed out of work early and got home by 1 pm. With some last-minute work & things to pick up, we got out by 2 pm. We arrived at Shartlesville about 4 pm and found that although our sites were open & available for antenna stringing, we had power lines on all four sides of us (even though we had specifically asked for sites that would be at the edge of the woods)! The big problem was trying to get camp set up in the hour that was left before sunset.

Needless to say, we didn't make it & most everything went either wrong or roughly on Friday night. Charlie's army tent went up ok, but hammering about 10 spikes into gravel was time-consuming. The campground gained a few bent and broken tent spikes. To add to the tent woes, mine was missing a few poles, which had mysteriously disappeared between home and ? We opted to avoid using my tent. By then, it was dark we still had to finish installing Charlie's "portable" 40' antenna mast and of the guy ropes were knotted together. We eventually pulled them all apart & raised the mast. The mast is really cool & all, but it's a killer trying to hold it straight in the wind with all of the mast pieces swinging around!

So our first catch of the evening was The Fox on 7417.7 kHz. We listened to it outside the tent, in the dark, while it was raining & while we were trying to

install tent pegs. At about this time, a PA state policeman drove through the campground and stopped at our site. After about a minute of looking around, he continued his way...slowly. The FCC reads The ACE, remember?

By about 7 or 8 pm, we got inside, set up the radios, antennas and cranked up the kerosene heater. WKIK fired up for about a minute or so with IDs, but that was about all that we heard from the pirates for the rest of the evening. Tony and Mike stopped in that evening, we ate, BSed, and caught up on everything. They had to find the way in the dark and got lost (I believe). In the meantime, Tony kept us entertained with stories of some of the more offbeat porno movies that he's seen. We stayed up to about 3 or 4 am and caught Radio Dublin on 6910 kHz at 07.00 UTC.

We all crashed until about 9 am and started work on lunch and antennas before Radio Pirana Int. signed on around 15.00 UTC. We weren't successful, but I did hear something on frequency then... Unfortunately, I moved to listen from the audio output on the tape deck. After about 10 minutes of listening I found that the tape deck was connected to the wrong radio! I went back to the correct radio and caught a clear ID, then the signal was washed out by adjacent-channel interference.

Afterwards, we returned to antenna building. Armed with a 6000' spool of magnet wire and a long pole (made of taped-together tent poles), Charlie, Tony & I strung a 1000+ foot longwire over 2 campground roads, under a small set of power lines, just to the side of the bathrooms, through/over the edge of someone's campsite, and into the woods. By now, it was about 1 or 2 pm, Charlie was busy with the spaghetti and I strung a quick 200' "longwire". We caught WARI with a strong signal 1987 relay of the RCNI Halloween show. It was spaghetti time then and we let WARI boom out from the tent while we ate.

Just before dark, some local guys who were interested in hamming came over to check out the radios. Finally, as darkness crept in, Bill arrived and the DX started rolling in.

Our first log of the evening was

FRS Feature

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the Mystic Voice of the Western Praries with a big signal via CSIC. "Count" Rambo's voice was GRE-AT! I never heard a Canadian-accented Dracula before! Up next via CSIC was Radio Dead man. Bill found Radio Halloween on 7409 kHz with a really weak signal and Tony found WQNR ("Queens Nassau Radio") with a great signal on 1624 kHz at the same time. Then, a jammer and someone with "hello radios" hit CSIC/Radio Dead Man relay and moved to 7425 kHz. The jammers left and Radio USA went on 7419 LSB with a great signal- we listened to much of it on the Sony Pro-80 with the telescopic antenna retracted! Four stations at the same time! Our tent was a total madhouse (so to speak) with all 6 of jockeying for position around the three R-390As and for the headphones. Oce again, the police came through and stooped at the campsite for a while. They had the window down and said "did you say something to me?" Chatly said "not hardly" and returned to tent. It's a good thing that all of us are just listeners; I'd bet the FCC was nearby! After 00.00, most of the pirates signed off, so we checked out the traveler's information stations on 1620 kHz. Around 00.30, the Voice of Anarchy came through with a fair signal. At 01.00, I grabbed an open receiver & decided to check 48 metres again. Much to my surprise, I found a fairly strong signal on 6310 kHz- Dutch Pirate Unit (DPU), which seemed to be a joint broadcast between Radio Pirana and Silverbird. This log had us all grasoing for every word & playing "name that tune." It was also really neat to have the deejays saying hi to us & our DXpedition.

When DPU faded out around 01.45, we went back to 1620 kHz and caught an experimental station (maybe KATX80?) for a while. The band completely died, so we mostly just hung out, talked about R-390As etc. Tony & Mike sacked out around midnight. As Charlie, Bill & I were manning the radios, we caught the tail end of Anarchy 1 on 7415 kHz USB at 06.00, then I played around & pulled in Live Wire Radio (England) on 7473 kHz SSB. Their signal was fair and Bill banged on the car and Tony got awake to catch it, too. Either way, it was great to hear Bill Lewis again!

We mostly got silly from sleep deprivation until we finally sacked out for the night around 4 am. Sunday everything caught up with us. The excitement of hearing pirate logs on the ANARC net (a Sunday morning ham net that features short wave news and loggings) kept us going, but we still had a LARGE amount of preparation to do in order to get home!

Somehow, we got everything together & made it back. Whew.

In retrospect, it was a lot of work, but it was all worth it. maybe some people would say we roughed it because we didn't use air-conditioned trailers (like most ham clubs on field day) and because we hauled over 300 lbs of tube radios into a tent, but it was well worth the effect! Somethings that I want to change next time are: Skip work on Friday altogether & don't try to set up camp in the dark, give better advance notice, remember to take a toothbrush, check the tent before going out, make sure the antenna isn't surrounded by power lines etc.

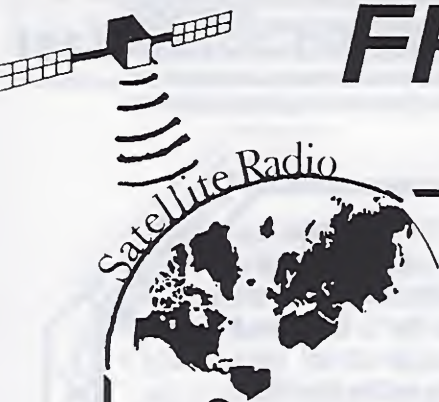
Advice to those wanting to have a DXpedition: plan well! If you forget something small, you might be in trouble. I can just imagine someone forgetting antenna wire or an extension cord! We planned well, but we still had some things go wrong- the Coleman stove didn't work & needed to have a part replaced, one tent was out of commission, we blew out a bunch of tent pegs, the hammer broke etc. Also, if you're going to try something like this during the DX season, make sure that you take a heater! The temperatures were down to the low 40s. If you trying doing this at a commercial campground make sure that you can string antennas in the direction that you want to DX from-especially if you're using a beveridge (now that Bill & Charlie cleared up the defenition for me).

Last advice, either be with some very clean guys or just don't bother with personal hygiene. The last thing you'd want is to be clean and stranded with a bunch of smelly radio listeners. By saturday, I was keeping my clothing layers on for use a sweat/stink shields. For that matter, Tony was making comments about how his hair was so greasy that he

looked like Liza Minelli. I'll try not to think about Tony singing Liza Minelli songs or even "Don't Cross the Road in the Middle of the Street" again. Yeah, I'm ready for another DXpedition! Many thanks to everyone who tested for us! ☐

Andrew Yoder has written a brandnew book called "The 1993 Worldwide Pirate Logbook" containing all of the logs of all known broadcasts, sorted by station, chronologically, and by frequency. These loggings are divided into separete sections: North America, Europe and perhaps (?) also Oceana. According to Andrew himself it will be not in the style of George Zeller's annual Pirate Radio Directory. Apart from the loggings Andrew will also feature some stations as well as the trends of pirate radio in North America, Europe and Oceana. Order now via Box 109, BRS, PA 17214. The costs are \$ 11 which indeed is cheap!!

We can now reveal that Radio North Sea, the Norwegian satellite station, indeed returned on the airwaves Monday February 15th. Most probably Caroline will return on both Intelsat satellites via the facilities of R.N.I.



FRS SATELLITE TELEX

In the past two months there was excitement but also sadness. The world of satellite appears to be a world full of contrasts: on one hand new stations but on the other hand stations closing down for good. Ofcourse we're referring at Radio Luxemburg. Holland's newest radio station Radio 538 is proving to be interesting. The station can be heard with presented pxs 15 hours a day and we are curious what the results will be of the upcoming listening survey. Fact is that there's a lot of competition in Holland with almost 10 commercial satellite radio stations. The Dutch satellite scene is reported in Made in Holland compiled by Mr. Dutch Media himself, Chris Latiers. In the into of this column in issue 120 some comparisons were made between the UK and Holland. It seems that a total of 2.5 million UK homes are making use of satellite equipment. However: an estimated potential of some 2 million households are able to receive satellite radio. Those who are unable to receive satellite radio are possessing older equipment. Still a high number of satellite owners do not know that their equipment is capable of receiving radio signals... Can you believe that?

RADIO MONIQUE ASTRA

New Year's Day Radio Monique returned on the radio dial via the 7.38 MHz subcarrier normally in use by Euronet. Radio Monique trms were pre-recorded in the Netherlands. Pxs lasted some 8 hours and were repeated in the late afternoon following the end of the first 'session'. RMI commenced broadcasting at approx. 09.00 CET and signed off at 01.00 CET Jan. 2nd. RMI had been leasing air time via Euronet to find out what the response would be. At a later stage decisions regarding RMI's broadcasting future will be made. Pxs started with a few newsextracts from the past (offshore period) and then the official start was drunk to with glasses of champagne. Several former Monique presenters were heard January 1st: Elly van Amstel, Walter Simons, Wim de Valk etc. Due to technical problems at the RMI

end, the audio quality wasn't what can be expected from a satellite broadcaster. RMI can be contacted via P.O.Box 67, 3740 AB Baarn in the Netherlands.

RADIO LUXEMBURG: THE END AFTER 60 YEARS!

After almost 60 years of broadcasts to Europe, Radio Luxemburg finally closed its English Service Wednesday December 30th. The AM 1440 kHz/208m service was already closed a year ago at the ned of 1991. Eversince Luxemburg operated as a commercial satellite radio station on Astra but was also audible via world wide SW outlets. The final programming went out via satellite and good old 208. The sadness surrounded by the station's closure was also mixed with some anger as the deejay crew believed that they had been betrayed by the owners of the service who had not succeeded in attracting enough advertising and had planned Luxy's demise regardless of its popularity. There was also a degree of internal politics involved inside the RTL organisation with the senior management seeming to favour Atlantic 252 rather than Luxemburg's English service. The final 24 hours of the service featured many nostalgic moments and included a number of classic 208 pxs taken from the studio masters featuring Kenny Everett, Bob Stewart, Chris Carey and others. There also were calls from former deejays who expressed their feelings via the phone about this sad moment. At 00.00 UTC/01.00 CET 'Luxy 208' left the airwaves and 208 programming reverted to the German oldies service of RTL. The German RTL now also occupies the audio subcarriers of 7.38 & 7.56 MHz on the RTL4 TV transponder which were used by RTL Int. as the English Service was called. Several former Luxemburg jocks have now found work back in the UK including Jonathan M. who's joined GWR FM in London as a breakfast presenter. We can reveal that the end of Radio Luxemburg may not be the definitive end of English language broadcasts from Luxemburg. A new staion called Sunshine FM will be hopefully take to the airwaves in March using the former FM frequencies of Radio Luxemburg in addition to a satellite service on Astra! The new station will include two former Radio Caroline names: Ian Mack and Jody Scott.

SUPERMARKET RADIO

A new satellite radio service aimed at UK supermarkets is preparing for its launch. The station will feature the unique idea of customers being able to request their favourite records at their local supermarket counter. This will then be fed direct to the station's electronically and shoppers can hear their own favourite music while buying their vegetables, tins of beans etc.

RADIO FROM AFRICA

The end of 1992 saw satellite radio broadcasts from the African continent on the Eutelsat 16 degrees east satellite. The arrival of TV7 Tunesia on this satellite has also brought new satellite radio from Radio Tunesia Int. on the 7.02 subcarrier in French and 7.20 MHz in Arabic. Prior to TV7 Tunesia ESC, the Egyptian satellite channel which began in December, also carried satellite radio.

WORLD BROADCASTING NETWORK

More exotic radio can be heard 13 degrees east where the long awaited return of WRN started in January via the 7.74 MHz MBC transponder. Pxs are currently limited to relays of Vatican Radio programming. However: more international relays can be expected in the near future.

EURONET

The last week of 1992 was an exiting one as far as Euronet's output is concerned. Specialist programming went out on several days. Christmas Eve Radio Caroline started programming until the early hours of Boxing Day when rave music ruled the airwaves on the 7.56 subcarrier of the Sky Sports transponder. Dec. 28th, the UK X-Mas Bank Holiday Monday, Euronet was broadcasting their X-Mas Party and played a trick on its listeners when the presenters claimed the station had been put under siege by the authorities who were attempting to close down Britain's last free radio staion. Very amusing and entertaining programmes! December 29th was one huge oldies party with several Euronet presenters including Andy Walker, Chris England etc. The great thing was that many rare oldies were played and not only the well-known ones. New Year's Eve was Laser Rock Party with all

frs goes dx

frs goes dx

Laser Rock deejays playing great rock stuff. New Year's day saw the return of Radio Monique (see elsewhere). In the mean time the Euronet programming has been slightly altered. Every weekday the station is providing some interesting to the radio freaks. In the mean time a new programme schedule has been put into service which reads as follows:

Monday

- 18.00 Laser Rock. Andy Walker playing the best in rock music.
- 20.00 Satellite Surgery- Eric Willsher. A must for every satellite freak featuring satellite news and answers to listeners' questions.

Tuesday

- 18.00 Laser Rock with Andy Walker.
- 20.00 Tender Trip. This 60 min offshore programme covers today's scene and also looks back in a nostalgic way to the past. Iain Johnstone hosts the programme. Very interesting for any offshore enthusiast.

Wednesday

- 18.00 Laser Rock with Andy Walker. 2 hours of great rock stuff.

Thursday

- 18.00 Laser Rock. This time hosted by Julian Clover.
- 20.00 Radio Days with Andy Walker. Nostalgic offshore recordings from 60s, 70s & 80s. Often rare recordings! Highly recommended.

Friday

- 18.00 Radio Days hosted by Rob Ashard.
- 20.00 Communicate '93 co-presented by Julian Clover & Emma Higgnet featuring a wide variety of media news.

Satellite Surgery, Tendertrip, Radio Days, Communicate '93 are also aired at 13.00 and 04.00 the next morning. For most listeners the above times will be the most appropriate ones. All times mentioned in UTC. Most important changes are the introduction of Communicate '93 on Fridays, the extension of the Laser Rock service and the changing times of some programming. Julian Clover used to be on Solar with a media programme but as reported in issue 120, Solar is no more. Euronet has been doing a good move making sure Julian is now on Euronet with his media programme!!

Ofcourse there are much more programmes on Euronet. If you love talk shows, then tune in to England's England, every Tuesday & Thursday evening. Controversial stuff!! For news in connection with the Euronet/Caroline relationship please read the Caroline newssection. Euronet can be contacted via P.O.Box 1234, London N1 6XH in England.

ROCK SHOP NEWS

The Rock Shop Service which has been putting out an evening/nighttime service between 21.00- 05.30 UTC on the QEFM subcarriers, has reduced its output. Pxs now commence at 22.00 and last till 01.00 UTC.

Some very last news: the Rock Shop has ceased broadcasts! The story is that there have been financial difficulties. The two men who were running the service, Robbie Day & H. the Rabbit had already a dubious past as it comes to finances. Both were involved with Radio Caroline in the late 70s.

FORMAT CHANGE POWER

From a very reliable source we have heard that the Dutch satellite radio station Power FM putting out non-stop hit music since a few months after firing all deejays, will soon change format: the station will be broadcasting love songs. The name of the station will also change into a new one as it seems highly unlikely that Power FM is a suitable name for a radio station putting out soft pop. This means that Sky Radio, Holland's most popular satellite radio station, will get some competition! Since Sky is airing newsbulletins its popularity has increased.

RADIO NORTH SEA

As already reported in the Caroline section, Radio North Sea called it a day January 15th. The latest news we've been receiving makes mention of a return of the station February 15th! That means that at the time this magazine slips into your letterbox, RNI is back on the two Intelsats (1 and 18 degrees west). That could also imply a return of Caroline via the satellite airwaves. It looks like Henk de Jong who's running the station has found some new financial backing! More info next issue.

NEW STATIONS

UCB, United Christian Broadcasting, are starting their programming this month. The Christian Radio Group should already have started in October of last year but this was delayed because the Luxemburg Astra owners wanted to vet the religious contents. You can also look out for the commencement of BBC World Service broadcasts on 7.38 & 7.56 MHz subcarriers of the UK Gold transponder. The BBC programming is scheduled to commence in February. Latest reports suggest that early March the Astra 1c will be launched. And that's good news for radio enthusiasts possessing satellite equipment because this will provide additional radio transponder space for UK based broadcasters as well as continental ones.

RADIO NORD

Radio Nord can be heard every Sun between 11.00- 17.00 UTC on the Intelsat 1 degrees west satellite. One of the people working for the station is Lasse Karlsson who was engineer on the former offshore station Radio Nord. And that's a long time ago....

ASIA RADIO

TV-Asia, the satellite station broadcasting on Astra has a new companion: Asia Radio. This station is to be heard on the 7.38 MHz subcarrier. ☐

DJ Tony Blackburn cracked open the champagne to celebrate reaching a half century ... with no regrets for the good old days.

"I would rather be having my 50th birthday than my 20th," said the veteran presenter, now with London's Capital Gold station.

"The most appalling stage of life is being a youngster. I would hate to be my son's age - Simon is 19 and at college, at a time when the kids don't know if they will have a job to go to.

"I'm happy with where I am. I like the thought of being a half century and don't agree with someone of 50 trying to act as if they are 21," he said.

Tony started his career on Radio Caroline almost 30 years ago and became one of Britain's best known DJs during his years with Radio One.

He plans a quiet birthday dinner with 33-year-old Debi whom he married last June.

NEWS FROM AROUND THE



Welcome in another newsround-up.
Also this time we've tried to make
a selection of interesting newsitems
from around the world.

CHANGE OF NAME

Radio Beijing Int. has been renamed in
China Radio Int. The station will be pri-
marily identifying as CRI. The change of
name has been made because the new name
sounds more internationally compared with
the old one. Besides: the city of Beijing
already has a local station called Radio
Beijing. The programme format appears to
be unchanged (FRW).

PAY RADIO IN AUSTRALIA

In the larger cities of Australia 1993
could see the introduction of Pay Radio.
The listener will pay per time segment. A
total of 20 channels will be in operation
with CD sound quality. These 20 channels
are satellite delivered from the USA by
Soundcom, a major supplier of background
music in Australia. Subscribers have to
pay approx. f 700/f 300/DM 640 to purchase
a special receiver. Ofcourse they must
also pay a contribution for all the sig-
nals which are delivered to that special
receiver (FRW).

WITHOUT PERMISSION

Since June 1992, four Turkish private
radio stations have been taking to the air
without official permission of the Turkish
government. These stations make use of
facilities uplinking the signals outside
Turkish territory. Metro FM, Kent FM, Genc
Radio and Radyothek are the names of these
'illegal' stations. Two of the names sound
like British ILR stations! More and more
new stations from east Europe use names of
existing western European stations. In
some cases it's a(n) (illegal) way to ob-
tain a jingle package for a fraction of
the original price of such package (FRW).

JUDICIAL ADVICE ON THE WIRELESS

A Washington based station, WCXR FM, not
only broadcasts rock music but also judi-
cial advice. No less than 3 attorneys are
presenting pxs on the station. And believe
it or not: attorneys Skip Herman and Paul
Barsky both presenting the Breakfast Show,
advise and assist every listener asking
for help (FRW).

HOWARD STERN HEAVILY FINED

One of the most popular American breakfast
presenters- his show can be heard in
various cities- has been sentenced to pay
US\$ 105,000. Reason: he was regularly
making remarks about certain parts of the
body which could result in sexual titil-
lations... A female listener was so angry
that she recorded a number of raduio shows
and sent the tapes to the FCC. The FCC
started a court case against the managing-
director of Stern's company. Those stati-
ons who are airing pxs of Howard Stern
have been approached by the FCC to regu-
larly record Stern's radio pxs and to send
them to the FCC controlling the tapes.
Stern will be totally banned from radio
when he continues to make such naughty
remarks in his pxs (FRW).

BRITISH HUMOUR

Recently the 'Mail on Sunday' published a
list of 10 most expected radio stations.
Please take this info with a pinch of
salt!

- 1) **Scrub FM**, playing only back-
ing tracks enabling its liste-
ners to sing their own lyrics.
- 2) **Daz FM** broadcasting nothing
but commercials of all ILR sta-
tions. In this way you don't
need to listen to other stati-
ons for hearing commercials.
- 3) **Buzz FM** will provide pro-
gramming carrying an extra fa-
ding signal for dedicated
Luxemburg listeners who still
miss their favourite.
- 4) **TT FM** will be manned by only
one jock: Jimmy Young.
- 5) **Jam FM** broadcasts only traf-
fic info. People who have no
car can listen to other sta-
tions.
- 6) **Gazz FM** is a sports only
station making it very simple for people
who hate sports to make a good
choice.
- 7) **Babble FM** will be airing all
collected nonsense from British
presenters.
- 8) **Yazz FM** concentrates on 24
hour a day disco & house.
- 9) **Malady FM** will be a 24 hour
a day phone-in station where
everyone who thinks "I just
have to get it off my chest"

can reveal his/her shocking
personal problems.

10) **Sweet FM** will perhaps be the
happiest station broadcasting nothing
sweet silence...

MORE FM FREQUENCIES AVAILABLE

The Radio Authority have been announcing
a frequency plan taking effect in January
1996. The plan takes the expected growth
of ILR stations and the planning for
regional radio into account. As a result
the 105- 108 MHz frequency range is going
to be used in the future (FRW).

SPECTECULAR LISTENING FIGURES

According to a listening survey, held in
the 4th trimester of 1992 and carried out
by the AIRC, more than 4 million listeners
would have tuned to the commercial radio
station Classic FM in their first month of
broadcasting. Even more spectacular, if
the ratings are correct, is the fact that
some 5 million listeners tune in to Atlan-
tic 252 each week. The survey covered a 14
day period (WBN).

BEST LISTENED TO STATION

Mellow 1557, the Frinton-on-Sea based
radio station (having also listeners in
the west coast area of the Netherlands)
reaches the highest percentage of the
potential number of listeners. A recent
survey showed that 65% of the potential
audience listens for more than 12 hours
per week to Mellow. 26% of the potential
audience listens at least once a week
while 61% is to be found in the 25- 44
aged group. The potential number of adults
numbers a figure of 120,000 (FRW).

VIRGIN RADIO START DELAYED

Virgin Radio, the 2nd UK based independent
national commercial radio station has
decided to reschedule the start date. The
Radio Authority have agreed to the request
of Virgin for a re-schedule start date.
This has now been put back to the 30th
April. A spokesman of the RA said "we're
happy to accept the change as long as we
are sure the station will go on air." The
delay is caused by management reorganisa-
tions. Former programme controller Andrew
Marshall has now been replaced by two
joint programme controllers. One of them,
Richard Skinner quit his GLR lunch-
time show in a surprise move

announcing he would be back in spring on 1215 kHz AM. A new chief executive, David Campbell, has been appointed placing the future of the current managing-director in jeopardy. It would appear that Virgin boss Richard Branson has become involved in the station's planning and this has resulted in the management changes and decision to relocate the studios from the originally planned location to a new one. A change of music policy has also been introduced: an album track/ new music/ slightly heavy rock format. Almost 1000 (!!) applications have been received for deejay positions.

VATICAN RADIO

The world of commercial radio has finally entered Vatican City. Due to financial difficulties, Vatican Radio have announced that they will take advertisements as from now on. Only commercials linked with cultural projects will be aired. Luxury items, medicines and drinks are banned. Vatican Radio has also entered the world of satellite radio. The Pope is to be heard via the WBN.

COMMERCIAL RADIO IN FORMER EAST BLOC COUNTRIES

Commercial radio continues to grow in the former communist countries. The newest commercial radio station in Prague, Tzechia, is called KISS 89 and is owned by Dublin based 89 FM. Kiss 89 is palying 50s/60s pop aimed at a 25- 50 aged audience.

CAREY BACK IN RADIO BUSINESS

Former Radio Nova boss Chris Carey, also known as Spangles Muldoon on Radio Caroline in the early 70s, has re-entered the world of UK radio after purchasing Birmingham based Buzz FM from the Radio Clyde Group. Carey's company bought the station for just one pound. They did however inherit liabilities of around two million English pounds which had built up following heavy trading losses over the past two years. We can expect a format change and the launch of an Astra satellite service within a limited period. In fact negotiations with Sky regarding subcarriers are taking place. As far as we know Keith Lewis is to be heard on Buzz

FM. New jingles with a touch of Nova nostalgia are newly introduced on the Birmingham FM service.

WORLD RADIO & TV HANDBOOK AVAILABLE

Hot off the press: the 1993 edition of the WRTH. A totally renewed edition containing the most complete survey of radio/tv stations in the world. As a result of the big changes on the world map, the book is really completely revised. The former Soviet Union, the former Communist countries, Yugoslavia falling apart: they all have new radio/tv stations and all of them are listed! The book also contains all commercial stations. Specially for the satellite freak there is a complete survey of all existing satellites including frequencies in all bands. New are maps

Cont. from page 15:

into Holland in December. If you heard the station over the X-Mas period, you can get yourself a special qsl. Write to (4). Peter Hills loves to hear from you!***The German station 46 RADIO can be heard so now and then. Nov. 29th and Dec. 26th 6554 was in use with some 20W of power. Address remains unknown***RADIO MONA LISA is one of the very few stations nowadays operating on a frequency below 7.3 MHz. If you want to catch the station, then try on an early Sun morning (07.00 UTC) on 7275. Dec. 26th the station was heard on that frequency with a good signal despite the low power being used. Address is Box 11, 7594 ZG Rouveen***MOONLIGHT RADIO is a new German station using the facilities of the NISWRS. Jan. 17th the station was heard on 6295 with superb signal in the UK***Another new German station is RADIO COLONIA noted with a test on 6288 Nov. 29th***FOX AM is anew name for Radio rabbit and was heard on 6250 Dec. 6th. They use the Venlo address (see PFBS)***CRAZY WAVE RADIO is yet another new German station. Is there talk of a new German BOOM on SW?? English and German programming was being put out via the NISWRS on 6272 Jan. 10th. Address is Box 202, DW-6440 Bebra in Germany***RADIO PACMAN was heard with a QSO on 7360 Jan. 3rd***The XENON TRANSMITTING COMPANY was heard on 6257 with a very strong signal in the UK. Address is (1) and no doubt this is NEW station***Good old RADIO NOLAN appeared on 6212 with a rock show

from the different continents containing the major transmitting sites of SW txs etc. The book contains no less than 608 pages and costs f 60,-.

PIRACY IN ISRAEL

The Communications Ministry in Jerusalem has admitted that pirate cable operators are an increasing problem as police raids against them fail to work. The ministry said that as soon as illegal cable operators were shut down by police, they reappeared in another location. The Israeli authorities are particularly concerned about the political content of the messages in many programmes broadcast by pirates broadcasting to West bank and Gaza.

consisting of live album tracks Sun Jan. 31st. A good signal and fine mod was heard and for those who like Nolan's style: you have to be patient because this broadcast was announced as Nolan's annual SW programme... See you in 1994! Address is Box 10, 9540 AA Vlagtwedde in the Netherlands***RADIO GLORIA INT. was noted on New Year's day with a loop tape message announcing a test broadcast on 15052 & 6292 kHz. Address is Box 293, Merlin, Ontario NOP 1W0 in Canada.

Some last news which popped in just before we went to the printer: Fri February 19th all confiscated Ross Revenge equipment (from the August 1989 raid) was returned to the Caroline organisation and put on a large truck bringing it back to England. What will happen with the equipment is not known but it's our guess it will go back to the Ross, still being in Dover harbour. We intended to be in Scheveningen at the moment the equipment was returned BUT we heard that NOBODY was allowed to set foot on the ground where it all happened! What we are hoping for (and this will happen in all probability) is publishing a number of photos of the conveyance taken by our friend Herbie The Fish. So that's something to be looking out for.

SOUNDS from OFFSHORE

Welcome in the first 1993 Sounds from OFFSHORE with the emphasis on offshore. Yes indeed, we believe that the use of the word offshore is once again justified.... The majority of news in this column is devoted to Radio Caroline and it would be silly to explain what the links between Caroline and Offshore are but when it comes to the crunch, Caroline isn't an offshore station anymore since November 1990 !! Nostalgic grounds underlay the use of the title "Sounds from Offshore". But isn't it good to know that even in 1993 it's possible to set up and start new offshore projects? That gives at least some extra importance to the word Offshore...

What's to be expected? News from a new offshore venture, unfortunately too far away to be received in Western Europe but still: exciting! And ofcourse the latest Radio Caroline news. The current situation is that Caroline is only active on SW. No satellite, FM, or AM. Sad but true.

NEW OFFSHORE STATION

Talking of any new offshore project in the 1990's means that people get suspicious. Quite logical knowing that 9 out of 10 so-called new projects

only appeared to be rumours and nothing more. This time we have good reasons to believe it doesn't concern only rumours... But let's start with...yes indeed...the rumours which reached us by November 1992. A new project would be prepared on the isle of Macau. Macau is Portuguese territory and lies in the South Chinese Sea, less than 100 kilometres west of Hong Kong. A radio vessel intended to drop anchor in the South Chinese Sea. It would concern a former South Korean ship renamed into MV Friendship. The ship, built in 1976, was originally known under the name Nepal Express. People behind the project: Americans working under the name "World Friendship Radio Association". Their home base: San Antonio in Texas. Apart from 3 Mitsubishi generators, there was talk of two 75 kW AM txs and one 10 kW short wave unit. And yes: not one but two stations would be commencing broadcasts from the ship. One hit station and a

religious one. The profits of the latter would be used to finance the pop music one. A dream of a dedicated offshore freak? Just a rumour? In the first half of December there's more news. December 11th to be exact. And it makes the whole situation rather confusing. The aforementioned ship which was equipped in Macau by the "World Friendship Radio Association" - now called the MV Silent Sea (a new name?) - would have dropped its anchor 15 miles off Java, one of the Indonesian isles. The ship was registered under the name Maple Express in Sang Shung, Macau. It was even said the ship was already radio active! On 89.5 MHz FM with a 1 kW tx, on 264 metres with a 20 kW AM tx and most interesting: on 11.960 kHz/25 mb short wave with 10 kW of power. Pop music on FM & AM and religious programming on short wave. A pity that several high-powered stations (Radio Tirana, Radio Moscow and All India Radio) are using 11.960 kHz making chances of SW reception in Western Europe rather small. But it has been confirmed that a few UK DX-ers indeed received the station on 11.960! The ship: it was built in 1976, the length is 70 metres and the antenna tower would be 50 metres. The colour of the ship is white. Programme output is in three languages: Malay, Dutch and English. Once again American backers are mentioned. Provided these rumours are facts, the rumours from the UK, which also reached us in December, are indeed rumours. Because it was said that former Caroline people had equipped this ship to use as a base for a new Caroline. Howard Rose wrote in his radio publication that the ship was heading for the Mediterranean while others claimed that the ship was- via the Mediterranean- heading for West European waters to bring back Caroline as soon as possible (without informing/talking to Ronan O'Rahilly and/or Peter Moore). And in a third version there would be talk of a different ship being equipped for Caroline 'cause the Ross Revenge would never be able to leave Dover harbour.

But there's happening even more. A number of American papers made mention of yet another radio vessel. Wednesday December 16th the news reaches us that a ship has

been equipped which will arrive in Europe around New Year. According to the newspapers there are two antenna towers on this ship, equipped in Galveston, Texas. Via Schreeveport and the Bermudas, the ship would be sailing to Europe. Format: during day time pop followed by religious programming under the name World Christian Radio in the evening hours. Also the name Friendship Radio is mentioned. Rumours that Ronan O'Rahilly would be involved are also circulating: it is said that Ronan wants to surprise each and everyone involved with Carolines satellite and SW broadcasts with the restart of the one and only real Radio Caroline. Some technical info about this ship: two 50 kW txs, one AM and the second one short wave. And to complete these rumours: George Otis, the man behind the Voice of Hope and World Harvest Radio is one of the backers.

Mo January 4th we hear that the American ship (not to be confused with the one off Indonesia!!) is on its way to an anchorage off Normandy, France. At the same time it is mentioned that the 50 kW SW outlet will be transmitting on three different frequencies depending in which direction the signal will be beamed. Apart from American money, there is also talk of Germans contributing to the project. Yet another source confirms the ship is on its way to European waters but he adds the ship could go to the Mediterranean. If the ship anchors off the French coast, it would be 14 miles south west of Calais at the same location the MV Communicator dropped anchor in 1987 after the Laser Hot Hits project ended in a fiasco. It looks like this latter project is nothing more but a rumour. The other offshore vessel off the Java coast is really active and the backers- and that's the latest news- are World Harvest Radio Int. (WHRI) and High Adventist Ministries, both religious organisations from the States.

A conclusion about the latter project? Fact is there have been stories in US newspapers. But apart from this everything seems to be vague. For the time being we take this story with a pinch of salt...

RADIO CAROLINE

The short wave activities

In recent weeks SW trms on 6295 from southern Ireland have been somewhat irregular. These broadcasts are carried out with a few hundred watts but certainly not 1 kW or more. The latter is a simple conclusion taking a look at the signal strength produced by the transmitter. It seems there is a lack of 807 transmitting valves which seems to be a bit of a joke. We do possess more 807's than we have teeth in our mouth! If there any valve which can be easily purchased, it must be the 807. It was said that trms would be recommenced sometime in February following Caroline's temporary absence since the end of December. In that month Caroline was heard on the 5th, 6th, 20th, 25th & 26th. Early December Peter Moore claimed Caroline would be adding a 75 mb frequency, namely 3925. We are curious whether this is just a wish in the mind of a few Caroline people or something which could really become reality as a regular service in the (near?) future. Fact is Caroline was indeed heard on 3925. One of our SW contributors living in Berlin noted the 3925 programming Dec. 26th/27th 23.52-01.28 UTC with 0=3. A few hours earlier, at 18.15 CET the station was noted on its 76 mb outlet in France with a fair signal. The silence on SW almost lasted 4 hours. Januray 23rd Caroline returned and was also heard Jan. 24th and 31st.

Satellite

And what about the Caroline trms on satellite? As published in FRSGDX 120, Caroline could be heard over the X-Mas season on Astra. Certainly a kind of X-Mas present for the many Caroline fans in the UK and on the continent. Trms commenced Thursday December 24th- X-Mas Eve- at 21.00 CET making use of Euronet's 7.56 MHz audio subcarrier on the Sky Sports transponder. Programmes lasted 36 hours and ended in the morning of Boxing Day. It was Scotchman Johnny Reece who went first but started rather heavily. Perhaps too heavy in terms of X-Mas. But things got better! The programmes were pre-recorded on the Ross Revenge a few days before the show actually were aired via the Astra satellite. The Ross is still taking a rest in Dover harbour. The good news about the X-Mas programming via Euronet was

largely offset by some bad news regarding Caroline's broadcasting future. The Norwegian based Radio North Sea Group who have been providing free satellite air time to Caroline on the Intelsat satellites at 1 and 18 degrees west, announced early Januray that they would be closing the service Friday January 15th. This would also be the end for the Caroline trms as this was Caroline's only satellite output. It's quite ironical knowing that reception in the past few months had dramatically improved following a change of satellite. On 90 cm dishes reception was almost sprkle free while the audio was excellent. At least for the time being Caroline's output is limited to the SW output via Ireland. From Chris England's on air comments on Euronet, we may conclude that relations between Euronet & Caroline, which looked like being improved following Euronet's offer to Caroline at X-Mas time, are now worse than ever. Euronet have recently been the subject of a complaint made against them by the Caroline organisation back in September regarding on air comments made in the England's England programme by Christopher England who the key figure in the Euronet organisation. In the end the complaint was not upheld. Various comments recently made by Chris England clearly indicate the two stations are not on particular friendly terms at the moment. Therefore it seems highly unlikely Caroline will soon reappear via Euronet's facilities in London. A pity. The 36 hours of Caroline trms via the Euronet transponder produced only 4 (!!) letters. This info is coming from Peter Moore.

Caroline Miscellany

A number of Caroline pxs were broadcasted via French stations. Even a Polish station (?) put out some populair Caroline programming.

In the Dutch weekly "Elsevier" dated Jan. 2nd 1993 a Caroline article written by Hans Knot and Paul Krooshof. The story covers everything happening in the past few years including the problems with the OCD about the restitution of the appropriated goods

Caroline equipment returned (3)

In contrast with earlier reports the Caroline equipment is still in Schevenin

gen. It was planned that the equipment would be taken to England sometime in January. So far Peter Moore seems to be more busy writing his second book. What will happen next isn't known. Perhaps March? December 17th we heard that Peter Moore must fulfil a number of conditions as stated by representatives of the Dutch Ministry of Justice. Caroline must promise they won't make any claims because of A) equipment not returned, B) equipment being damaged and C) profits which couldn't be made because of the non broadcasting of caroline programmes. Most probably the Dutch are willing to avoid a procedure similar to the Radio Paradise case which lasted many years (and cost the authorities a fortune).

Something which cannot be dissociated from the latter case is the legal proceedings of a number of Dutch persons who were involved with Radio Monique, Radio 558 and Radio 819. December 17th Mr. Van Noord, public prosecutor in Amsterdam, announced that everybody who was summonsed is acquitted. The case which would take pace Tuesday December 22nd was dropped. Could it be true that the authorities have come to the conclusion that the 1989 raid on the Ross was a miscarriage of jusitice?

Friday December 18th the Dutch A.N.P. news featured a report related to the Caroline raid in 1989. On Dutch teletext the following text was to be read:

"the Public Prosecutor drops charges against of those involved with Radio Caroline. This has been confirmed by a spokesman today. All equipment being confiscated will be returned. In August 1989 the radio vessel Ross Revenge, housing the stations Caroline and Monique, was dismantled from its transmitting equipment by Dutch authorities. At the same time almost 30 addresses in Belgium and Holland were raided. The authorities wanted to prevent other offshore initiatives coming off the ground. The Public Prosecutor didn't explain why all charges were dropped."

This column came about with the indispensable help of Hans Knot ! Thanks.

More legal offshore radio from the UK?

The people behind the Offshore Radio, the station which broadcasted on 1584 kHz as a special event licence off the Walton-on-the-Naze coast last Summer, are hoping to do it all over in March. And there are also plans to broadcast next summer off the Yorkshire coast commemorating the good old days of Radio 270, one of the smaller but nevertheless very exciting stations in the mid 1960s.

Jan. 12th we are told that there's a plan to anchor a ship in the River Forth, Scotland. The ship would become the temporary home of a radio station called Radio North Sea making use of another special event license lasting 28 days. The project is set for April when it's exactly 29 years ago since Caroline commenced offshore radio broadcasts off the British coast.

Dutch Offshore Day

March 27th this unique annual event will take place in Haarlem. There will be guests from the world of offshore radio (a former Dutch R.N.I. engineer will attend the meeting) and a number of highly interesting videos. For instance a documentary called "A closer look at the Radio Forts" produced by Hans Knot and Rob Olthof. The soundtrack of this film contains extracts which were directly obtained via Mrs. Calvert. Reg Calvert was the big man behind Radio City, the best known of the forts radio stations in the Thames Estuary. A summary of the newsreports with regard to the Ross Revenge running aground and the Radio Scotland film in colour. These are just some of the activities that day. A must for any offshore freak! The place to be is: Hotel Raekse, de Raekse 1 in Haarlem. The hall will be opened at 10.30 CET, the event will begin at 11.15 CET. For people abroad: you can spend the night in the hotel. For more info call the Dutch countrycode and then 20-6621141. Only after 19.00 CET.

Where are they now?

This never ending story begins in France. Rob Harrison has been appointed head of the news and production department of Radio Riviera based in Monte Carlo. Also

Tom Anderson will join the station.

We have to rectify something:

Ferry Eden is nowadays working as producer of videos for the benefit of promotional films. Remember Peter Quinn? A few months ago he could be heard on Island Radio in Malta but in the mean time Peter returned to his motherland. Peter is playing records in the big HMV record store in Manchester. No doubt he will be soon heard on a British local station. Little Shaun who worked on the Ross in the mid 80s is now on Signal Radio (UK) as Shaun Tilley. Andy Archer is not the only former Caroline jock on CNFM in Cambridge. For some time now Dave Asher is to be heard every Sat evening 22.00- 02.00. John Tyler and Kevin Stewart are currently working for Island FM, the new Guernsey station.

MV Sarah for sale

Al Weiner announced that the former Radio New York Int. vessel Sarah has been put up for sale. The ship is moored in Boston harbour and must cost \$ 40,000. Or if you like in IRC's: some 27,000... Not bad at all! The idea of running an offshore project has now been dropped: the short wave service of RNI every Mon morning on 7435 kHz seems to very successful.

Latest Communicator gossip

It is suggested that the MV Communicator, once the proud home of Laser 558 & Laser Hot Hits 576, will be replacing the MV Peace, Abie Nathan's ship which houses the Voice of Peace. Just a rumour or...?? The Communicator is still anchored near Lisbaio. □

RADIO STATIONS IN THE UK - 11th EDITION

The 1992/3 edition of RADIO STATIONS IN THE UNITED KINGDOM has just been published by the British DX Club. The booklet is now its 11th edition and follows the succesful format of previous years. It has been completely revised and updated to reflec the current situation.

In frequency order, the booklet lists all British medium wave (AM) and FM radio stations - both BBC and independent - including their location and transmitter power. To help with identification, each frequency is cross-referenced to show possible parallel channels.

A reference section gives the full postal address and telephone number of each station, as well as background information on the various BBC and Radio Authority services and their future plans, Special Event stations, "unofficial" radio, advice on reception reports, etc.

The booklet contains full listings for the new independent national radio networks (Classic FM and Independent Music Radio) and all the new BBC and independent transmitters that have opened recently.

RADIO STATIONS IN THE UK aims to be the most accurate and comprehensive guide to British domestic radio for the DXer and local radio enthusiast, and with so many changes since the last edition it is something neither should be without!

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MADE in HOLLAND

By Chris Latiers

This part of the magazine more and more is becoming a continuing story, or sometimes even a soap! Bearing in mind that kind of programmes is very much appreciated by the audience, we are convinced "Made in Holland" offers good reading stuff!

The current issue of Made in Holland contains for instance two subjects we reported about for several times already: Radio 538 and the allocation of terrestrial frequencies in Holland.

RADIO 538

Tuesday December 8th the "Vrije Radio Omroep Nederland" got a broadcasting licence from the Dutch government. This licence is valid for the next ten years. At this moment the permission only regards broadcasts via cable. VRON will be broadcasting under the name Radio 538.

The plans of Lex Harding to start transmissions for Radio 538 in December became reality on Friday December 11th at 18.00 CET. After a short speech by Harding himself good-and-very-old Bull Verweij officially opened the station. Verweij has been one of the owners of the offshore station Radio Veronica. The fact he has been invited to open Radio 538 added to the name of the station, referring to the old Veronica frequency, underlines the links between the two stations. We even can state Radio 538 is more Veronica-like than the public broadcaster Radio Veronica itself.

During the programmes on the evening of December 11th several well-known Dutch radio personalities could be heard, joining the party. Among them was Leo van der Goot. Last time we mentioned him as one of the deejays of Radio 538, but in the meantime he has decided to concentrate on his main profession: television-producer. On weekdays programmes are presented by well-known deejays (see below), while on Saturdays and Sundays also some unknown jocks do the programmes. In our own personal view especially the evening programmes on Monday, Tuesday and Wednesday are very worthwhile to listen to. They are presented by a new radio-star: Corné Kleijn, in a very fast and exiting style. "Old-fashioned" in a good sense! The only thing we know about Corné Kleijn is that he has been a deejay on a local pirate

called "Radio Crash". A major role in these programmes is played by the telephone. Several listeners, calling the Radio 538 number, join the show. It seems these programmes are very popular, because it's almost impossible to get in touch with the studio. However, on two different Monday evenings we have been able to listen to our very own "headmaster" P.V., making his first appearances on satellite. Perhaps it was for the first time in his broadcasting life it didn't cost him anything at all to be on the air; he even did gain something (two t-shirts!).

By getting the already mentioned licence Radio 538 is a 100% Dutch station. Sky Radio owns a minority share in the station. Besides that talks with a publisher, eager to participate, are taking place. Aim of the station is to reach the so-called break-even-point in three years. However, should the station get a "normal" AM or FM frequency the station has to be profit-making sooner. Harding expects they will get such a frequency during 1993.

Programme schedule Radio 538

Monday/Friday (all times CET)

- 07.00-09.00 Rick van Velthuysen
- 09.00-12.00 Goud Waar Je Van Houdt
(Michael Pilarczyk)
- 12.00-14.00 Will Wil Wel (Will Luikinga)
- 14.00-16.00 Erik de Zwart
- 16.00-19.00 Van Diepen draait door
(Wessel van Diepen)
- 19.00-22.00 Kort en Kleijn (Corné Kleijn)
- 22.00-07.00 Non-stop

Erik de Zwart is also programme controller. Bart van Leeuwen (see FRSGDX 120, page 51) was eager to present the breakfast show. However, his current employer, RTL Radio, didn't agree in letting him go to Radio 538. In a legal procedure Van Leeuwen tried to break his three year contract. The judge agreed with RTL Radio that Van Leeuwen has no right to leave the station. Since that verdict Bart van Leeuwen is staying home ill. Unable (or should we read: unwilling) to work for RTL.

It's intended new talent will get a chance after 22.00.

On Thursday nights the 19.00-22.00 slot is

presenting the famous Soul Show by Ferry Maat. On Friday the evening shift is reserved for Corné & Michael, doing "The Jungle".

RADIO 10

Tuesday December 1st it was announced that Tom Mulder ("Klaas Vaak" in his Veronica offshore days) was appointed programmedirector for the Radio 10 group. He will be responsible for the programmes of Radio 10 Gold, Concert Radio and Power FM. Mulder is working for Radio 10 Gold since the Summer of 1991. He is presenting the 10.00-14.00 (CET) slot.

RADIO MONIQUE

Maybe you're a little surprised to read something about the former offshore station Monique in "Made in Holland". In the previous FRSGDX issue (page 48/49) you could read about the plans of some Monique jocks already. December 10th some more information became available.

It seems the Monique people will be producing programmes by order of Euronet. Programmes should start on New Year's Day at 09.00 CET and would continue until 09.00 the next morning. After that Monique should present some hours each day. Some time later broadcasting hours would be extended to 12 hours each day: from 07.00 'till 19.00.

THE BATTLE OF THE FREQUENCIES CONTINUES

Last issue we already discussed the forthcoming allocation of frequencies by the Dutch government. The satellite stations are very eager to get at least one of these frequencies. This time we continue this story, starting with some more background information about this matter. We are aware this topic must be very confusing to people abroad.

Stations like Sky, RTL and Radio 538 are aiming at FM frequencies the Dutch government is going to allocate to either the public broadcasters or commercial stations.

Subject of the discussions are some so-called "left-over frequencies" (to be named "left-overs" in this article) and a brand-new national FM-network, ready for use January 1993. Apart from these frequencies also some medium wave frequencies are to be allotted.

The FM network is intended to be used by the public broadcasting societies. This network should be transmitting Radio 1, leaving over the 747 kHz AM frequency. Secretary d'Ancona plans to allocate four FM networks and one AM frequency (1008 kHz) to the public societies. Two remaining AM frequencies (747 and 675 kHz) should be allocated to commercial stations. Radio 1 will end transmissions via 747 kHz April 1st, while Radio 3 will leave 675 kHz February 15th.

In the meantime a lot has changed in the Dutch radio landscape. The commercial cablestations succeeded in penetrating into the Dutch air. At first only as commercial-free framework programme for local stations, later with their own left-over. Now the commercial stations have laid an eye on the new national FM network. They get a lot of support in Parliament, where a lot of people think the medium wave frequency of 747 kHz is very suitable for Radio 1, bearing in mind the majority of the programmes consists of spoken word. By means of a satellite link-up it even would be possible to offer Radio 1 in superb FM quality to the cable networks. So it looked like there were no obstacles for allocating the FM network to a commercial candidate.

Ofcourse the nation-wide FM network is the biggest target for the commercial stations, but there is more. As a "temporary measure" Radio 10 Gold, RTL Radio and Sky Radio have got some air frequencies. They have permission to use these frequencies until the end of 1992. Ofcourse they hope they're allowed to do so in future. As the new year started and the period of permission expired nothing happened. The commercial stations are still using their FM frequencies.

There even are more frequencies available. These were allocated to Holland by the so-called Geneva Convention of 1978, which came into force November 23rd 1978. By means of this convention medium and long wave frequencies were distributed. According to this agreement Holland is allowed to use more AM frequencies than currently being operational. Ofcourse commercial stations lay claim to these frequencies.

Apart from these AM frequencies Holland also can use one LW channel:

173 kHz. This frequency initially was intended for the Radio Delta project, a co-operation between Holland and Flanders. However this station never became reality. Although a LW frequency doesn't seem to be very attractive, Atlantic 252, operating from Ireland is a giant success. Furthermore are the Dutch allowed to run a station on 1395 kHz with a strong 500 kW transmitter. At top of that eight local AM transmitters are possible.

Monday December 8th Secretary d'Ancona made her decision regarding the allocation of the new FM network public: Radio 1 will use these transmitters from January 1st onwards. She defended her decision stating that it would be legally impossible to sell or lease the transmitters to commercial stations. "The new transmitters are ordered by the public broadcasters. So you can't give them to a commercial broadcaster." Not only the commercial stations went furious, but also a lot of politicians were perplexed. At this moment it isn't clear whether the cable stations will undertake legal action.

Monday January 4th Radio 1 started transmissions via FM...

March 10th a public hearing will take place regarding all the above mentioned matters.

THE LATEST LISTENING FIGURES

One in every four Dutch calls Radio 3 his/her favourite station. In a inquiry by telephone they were asked: "To which station do you listen by preference?" Second in this survey was Sky Radio, named by 14 %. A regional station was named by 11 % and Radio 10 Gold by 10 %. RTL Radio got a rating of 5 %. All other commercial stations were named by less than 1 %.

This survey also asked if the people listened to a certain station "every now and then". The results: Radio 3: 70%; Sky: 40%; Radio 10 Gold and RTL Radio: 30 %; Power FM, Hit Radio (still existing when the survey took place), Holland FM, Radio Noordzee Nationaal and Euro Jazz: all less than 10 %.

Final question: "which commercial station should get a terrestrial frequency?" Radio 10 Gold and Sky Radio were the great winners. An outcome to be expected, looking

at the above mentioned figures.

Some explanation about the Dutch FM H-Net, the AM-F and AM-G net.

The FM-H net consists of 12 FM transmitters and which together have a nation wide coverage. There are three 100 kW txs, four 50 kW, one 40 kW, one 20 kW and three 10 kW ones.

The AM-F net consists of the 500 kW 747 kHz tx in Lopik and a 20 kW tx on 1251 kHz in Hulsberg. The AM-G net is only one tx: a 120 kW one on 675 kHz (Radio 3).

There are a number of restfrequencies, for example on AM. According to international agreements the Netherlands has the right to have a series of transmitters in operation on the following frequencies and powers:

173 kHz	Lopik	(500 kW)
828 kHz	Rotterdam	(2 kW)
1224 kHz	Assen	(20 kW)
1332 kHz	Utrecht	(2 kW)
1395 kHz	Lopik	(500 kW)
1485 kHz	two txs	(2 kW)
1494 kHz	Hulsberg	(5 kW)
1557 kHz	Amsterdam	(2 kW)
1584 kHz	Utrecht	(2 kW)
1602 kHz	Leeuwarden	(2 kW)

The latest news is that Minister D'Ancona has decided to maintain Radio 1, the Dutch news and information station on AM 747 kHz. Pressure was put on her from different sides of the Dutch society. In particular Dutch truck drivers were very upset when they heard about the plans to remove Radio 1 from medium wave. □

The following sources were used in this edition number 121:

- * Pirate Chat
- * Pirate Connection
- * Free DX
- * The Radio Tape
- * Freewave

MAILBOX 41

Welcome in the first edition of Mailbox 2727 in 1993. As promised in December, this time a full review on all letters we have been receiving for the 12th birthday party October 18th last year (it seems already ages ago...).

The response really was overwhelming and we honestly think the next review gives a fair impression about what the PPS audience thought of the transmission etc. Mind you: all we do is quoting the listeners' letters, so the passages in Italics are literally taken from their letters. To keep the technical part apart from things concerning content, a survey of signals is to be found in PPS Mesconnet! Just to inform you: all October mail was handled in the PPS programming of Dec. 20th (6210 + 6201) and Dec. 25th (7300 kHz).

Stefan Koedtz lives in Nijmegen-Willems-hausen, Germany and he writes: "Today I've heard your programme for the very first time and I'd like to tell you that I really enjoyed your 12th birthday show. In particular the music was superb. I am 20 years of age and still going to school. You can be sure that as from now onwards I'll try to pick up PPS-Radio as often as the permits. Best wishes for the future." Thanks Stefan for your flattering words. We from our side hope we have a new "Stambörer"!

Saizbotten is the home of 16 year old Lutz-René Jusczyk, sounds like a Polish or Czechoslovakian name. "Congratulations to your 12th birthday. I think it's great that PPS has been on air for 12 years. I hope that the station will be on for another 12. For me PPS is the first free radio station on SW. Especially the German Show was very much to my taste. May I take this opportunity to compliment you with the birthday broadcast?" Yes, you may dear Lutz-René. And compliments from our side for your correct answer regarding the Birthday competition: 6205- 6195- 7315 kHz.

Something what really made us happy was the number of letters we received from "older" PPS listeners, people who in some cases already heard us in the very early 1980s and who didn't write for quite a long period. Ralf Köhler used to be one of the many QRP listeners listening and writing to PPS-Holland in the

early 1980s. He wrote an enthusiastic letter. "All programmes were fantastic and the signal on 7425 kHz. The fact you've been for 12 years on SW is super. I'm a great fan of your shows." Dear Ralf, we do hope you like the T-Shirt you ordered. Mind you: there are persons who hate the shirt because it contains the slogan "The Quality One". Shit, we said it again! Perhaps it's a bit too cold now for wearing it but isn't it a good idea to wear it next time the PPS sounds are coming out of your loudspeaker.

"I have listened with interest to your nearly professional broadcast. PPS does it! proved to be a very good source of information. I was very pleased to hear the German Show too. My receiver is a Sony ICF SW1 and your signal came in surprisingly good." These words came from Holger Conrad living in Freiburg which is situated in the former GDR. What can we say? Thank you!

It looks like we are doing a "tour de Germany" and that's not strange knowing that we have a great listenership in Germany. Butbach is the next destination. Ralf H. Schölbe was doubting about the city name of the PPS address and didn't mention it on the envelope. Nevertheless the letter safely arrived in the correct mailbox, so that proves that the Dutch PPS has learnt a lot since the 1983 raid. Ralf is 45 and an ADX member. Nice to know that people of all ages listen to PPS! His words: "A superb programme and a great signal." Brief and to the point, isn't it?

One of our "veteran" listeners is Josef Köppl in Viechtach, a village situated in Bayern. Quite a distance from our tx to his hobby room... "It's great PPS is still going strong. Today's Birthday show was really worth while listening. I also heard your loop tape on 6200 kHz." Thanks Josef, we hope you'll continue to support us in the years to come. Thanks a lot.

Jörg Denpausen didn't hear us for nearly a year because of his studies. "Hereby, less I hope the situation will change in the future..." I read about your broadcast in PPS201 and I didn't get disappointed: the PPS was coming in with a really

strong and stable signal. Reception quality was nearly the same as the programmes...excellent. It was the first time I heard one of Stefan Kramer's shows. He's making good and entertaining shows." Regarding this magazine Jörg comments: "There's nothing to say. I still believe it's the best free radio magazine I know. I know it's a very hard job but you're doing it very good. So don't give up. With such comments one can't stop, it's very encouraging. Thank you Jörg!"

Andreas Prehn from Willlich, Germany thinks that the good reception has added greatly to the success of the Oct. 18th broadcast. No doubt you're right Andreas. "Hardly any interference and a clear signal with only so now and then a bit of fading. That's how any pirate station should sound. Bull marks for Stefan Kramer's Breakfast Show. He performed very well."

Just for the variation we take a short trip to the east of Holland where Hans Boontjen is living. "In general reception was good. To make a comparison: Radio Caroline on 6295 was much weaker. Also this time I enjoyed your programmes." We leave Anke by trolley and cross again the German border.

Udo Krenth heard us on 7425.7 kHz in good quality and in even better quality on 6199.2 kHz. "Please continue in this way and remember: most times I'm not writing but be sure I am listening with great interest to all of your shows. I guess this will also apply to many other listeners." Yes, you will be right Udo but please all of you should remember that it's simply important for us that all of those faithful listeners show their interest from time to time by writing. And not only at the occasion of a birthday show but also for "normal" programming. The point we'd like to raise is that letters are important for any transmission 'cause everytime a lot of effort is put into such broadcast.

And now for something completely different we leave Germany and visit the country where there's so much shame and scandal in the family. Perhaps a good idea to send a sample of PPS201 to his Royal Highness Prince Charles? Let's

concentrate on Allen Dean who managed to hear part of the PPS broadcast with his Grundig satellite 2100. "Signal modulation was very good. I remember back in 1990 I missed the first PPS transmission but heard the second (Sept. 28th 1990 - PPS). Happy Birthday and let's hope you are still around in another 12 years." Well Allen, it's good to hear from you. If I look into the future...my god...in 12 years...we will be old and grey. But perhaps the young turbochargers and Ter tee will be taking over business. They get a special training and part of it is teaching them how to throw longjumps. Their coach is good old Frankie Panatic who used to be specialised in throwing heavy weights, connected to long jumps, in the high trees. Some of 'his' weights still are in orbit! But let them first play with 'My First'! We'll keep you informed!

A very nice letter came from Italy. In a village called Vercelli a person with the melodious name Michelangelo Ferraro is living. "I'm an amateur and very fond about listening to all stations broadcasted on MW, M + SW. In particular I'm interested to pick signals of the so-called 'pirates' or 'free radio stations'. I think that their musical selections are much better compared with official radio. Last Sunday it was with great enthusiasm I'd like to tell you I appreciated your musical format and programme style. I hope that this letter will be the first start of a new and nice friendship." What can we add? We do hope the same dear Michelangelo. Hopefully we hear from you in 1993!

Many listeners heard the special announcement on 6199 kHz. One of them was Roger Bixley from Buppertal, the city where that famous SW address is to be found. "As usual on a Sun morning I was tuning around on my PPS and came across your announcement on 6199. So I tuned to 7425 and heard the German show with a splendid signal. I have written to you before and that was back in 1984 on Dec. 16th when you were transmitting on 6200 kHz according to my logbook. Is let's hope I can write to you on your 25th birthday. Ralf! Roger seems to be an optimistic man... You are referring to one of the broadcasts

via Radio Delaware in Belgium. And that reminds to Johan Rod, the sympathetic person who run Delaware on SW. What's he doing these days?

A letter which really gave us an ego boost was one coming from as far away as Lithuania. Robert Petrakis did already write to us in 1992 but that concerned a nighttime transmission. "It's the first time I hear you on 41 metres. Much music and much useful information."

Good old David Williams writes: "What an excellent broadcast on the 18th of October. And signal-wise it wasn't bad at all. Remember you will always be my number 1 free radio station on the short wave bands. My dislikes are BBC radio etc. Very nice words indeed dear David, one of our most faithful British listeners who really supports us after each broadcast."

Back to Germany where 26 year old Robert Scheibel from Ober-Werlen dropped us a line. "I listen to short wave for already quite a few years. In 1984 I started listening to SW pirates. Although I don't have as much time as a few years ago, I must confess that receiving SW pirates and other unusual stations holds a great attraction to me. I always enjoy PPS' jazz because that's the best in free radio: the music, presentation and informative DJ Show. Compliment for Stefan Kramer's programme: I liked it a lot. In my personal view the Birthday competition was a very good idea! I hope to hear PPS soon back on SW." A big thank you for your more than interesting letter. It's nice that so many PPS "ingredients" were handled in your letter Robert!

Also in Finland PPS was picked in a reasonable quality resulting in no less than 6 letters from the land of snow, forests, ice, lakes, saunas and...Mets! V. Balkarainen living in Juvu didn't realise this handicap he enjoyed of what he heard. "Professional" is his comment. Funny is the fact he writes "it took me minutes to realize that on 6200 was NOT your birthday programme but I had to return to 7425. Maybe without this special message I would have been missing your birthday party." Well, we are happy for you you it didn't

happen...

Juha-Matti Rantanen lives in Helsinki, Finland and is a member of the Finnish DX Association. With his 100 (11) metre longwire connected to a Teasu PPS-7700 he received PPS in a very acceptable quality. He makes mention of a good musical choice and favourable reception conditions that particular day in October.

"I'm a 39 year old forestry technician. DX listening has been my hobby since 1970. This was the first time I heard your station. My hometown is Suonenjoki having some 9000 inhabitants. Thank you very much for your programming. It was interesting to hear your station in Finland." These words came from Juhani Kortonen.

A last touch of Finnish mail. Martti Salminen lives in Helsinki near Lahti, some 100 Kilometres north of Helsinki. He's technician and listens to SW since 1980. He collects QSL cards; his current collection includes 94 gels from 74 countries. "Congratulations. It was a great feeling tuning in to your transmission. This was the first time for me to have PPS on my radio dial. I heard some old programming on tape." One thing is for sure: Martti has at least 99 gels by now.

Achla Bröchner lives in Detmold, Germany, south east of Bielefeld. "I regret that there are nowadays less well-prepared free radio jays on SW. I'm looking forward to your T-has programming. I very much like the 80's music. 7425 kHz was a good choice and with the use of a very wide filter the audio quality was very good." Achla certainly looks into the future witness his last phrase "Is there any special transmission planned for your 13th birthday?" No doubt there will be something special Achla but we hope to have some more transmissions before it's October 1993...

It's always interesting to read listeners' pronouncements about the SW scene. Peter Evans from Mitcheldean, Gloucestershire in England writes: "I've been listening to SW since 1984 and discovered the free radio stations pretty quickly. I used to listen just to get the news about Caroline and Laser to start with but soon found the pps interesting. Nowadays I

I listen most Sundays to 41 & 48 metres. Short wave on Sunday is not as it used to be. We have lost some good stations in the UK." Peter wrote a very long letter which is highly appreciated!! Probably Peter points at stations such as Radio Apollo and Atlanta Radio when he talks of losing stations.

It's always funny to read in certain letters that the writers do know FRSH very well. Funny because WE discover at such moment that there are quite a number of 'hidden' listeners. Michael Kleffel from Meiningen can be classified in the latter category. "I think FRSH must continue because it's very much worth while to listen to. I'm very interested to get some promotional material." No problem Michael. And: in 1993 we are planning to bring out new updated info sheets and a new series of qsl cards.

He wrote his first letter to FRSH in January 1981. In those days FRSH's address was in Norwell, Newark, Nottinghamshire in the UK. Eversince he's written a handful of letters but his last one was long ago. We talk about Johan Decock living in Bissegem, Flanders, Belgium. He received FRSH in a solid quality on his Plessey receiver. Since 1978 he's a free radio enthusiast. "I hope you will send some up-to-date info-sheets. I'm curious whether the same people are still involved!" Well dear Johan, there seem to be two real surviving oldies since 1981: Ter Zee & Verbruggen. "As far as the future is concerned I do wish you all the best. I hope you have the will to continue. I know that a good response is very much linked with this will." Prophetic words Johan. Somehow we feel the FRS audience won't let us down. As long as we continue to put out the best in radio!

Ralf Pokar from Leonberg in Germany certainly is a regular writer. "Today I had the pleasure to listen to your pxs for over 4 hours. I must say that was entertainment on the highest level. In general I must say that the FRSH trms were one of the very few highlights of this year so far." I guess you mean highlights on short wave, otherwise you must have had a rather boring year dear Ralf. Thanks for your continuous support!

Lars Müller from Finsterwolde thinks that the two frequencies had to be changed: the Birthday programming on 6199 and the message on 7425. 6199 was stronger according to Lars. Well, realize that the 6199 power was 400 watts while 80 watts were radiated on 41 metres. Putting out the message on 7425 wouldn't have been a good idea: just because of 7425 being a less known frequency, the message was broadcasted on a 48 mb spot where most DXers come across. By the way, in remote areas 7425 wasn't inferior to 6199!

Because of the 6200 announcement many DXers became aware of the FRS 7425 Birthday party. That also happened to Uwe Sennewald in Schawhausen. "What I liked about your broadcast were the old extracts. My oldest FRSH extract dates back to April 1983 when you were on 7315 kHz. Your birthday programme was first-rate!" I must say we too liked the old extracts. It was indeed great fun preparing and recording the extracts from our archives.

And the final October 18th letter in this column comes from Seelow/Mark in Germany. Enno Enke writes that after a 10 year (!) period without DXing he has started again listening to SW. "In particular free radio has my interest. My collection from the old days consists of qsl cards from stations such as Jan Rap, barones, RNI, Delmare, SWR and also FRSH. One qsl I found in my box dates back to August 1982. But I'm 100% sure I heard you already much earlier." Reading your letter Enno we ask ourselves: what happened with all those former GDR DXers?? In the early 80s it was no exception to receive sometimes 15 letters from the GDR. Ofcourse, some listeners are still active but many have disappeared from the scene. A pity we never hear again from them. On the other hand: it's good to hear from people like you, Christian Bergmann, Gerwin Schütte, Maik Köhler etc.!

Next time we hope to feature YOUR comments on the renewed 1993 "FRS Goes DX" look. We are looking forward receiving your personal thoughts... □

In the third column the cont. of Artion's column!

would be no, Sovas was willing to persevere, even facing the risk of a raid and losing equipment. Then it would become a scandal!

Dec. 6th 1992: Around 11.00 pm (5th Dec.) I was already at the studio of Home Radio. There were many guests including free radio guys such as Igor of RWBI and a number of Home radio staff as well. At 01.15 am (Dec. 6th) the usual thing happened: the 600W amplifier was on. First of all people around the microphone explained the situation and sent their last greetings. Then the pre-recorded part of the programme began. It included HR's own show called "Black

hand" and special RSR and RWBI shows as well. Also a Radio Mirage recording was presented (from a free radio club collection) was aired. Nobody thought about a raid. But meanwhile some action took place. During the second hour of the broadcast we suddenly caught interference. The Home Radio people said they had never heard such sounds before. Yes, it was some sort of jamming. Some 15 or 20 minutes later this interference disappeared and we were informed that HR's signal was getting louder. That implied new action by the authorities. As a result HR was only audible in 3 or 4 neighbouring streets rather than being well heard with stable signals in a 10 kilometre radius from the HR studio! Some minutes later we got a confirmation... One listener who was interested in the technical side of radio, called us and informed that he was only able to catch the signal using an amplifier and headphones (his house was located some 6 kilometres from the HR studio). In spite of this, HR continued its goodbye show. The last hour of the programming could only be picked up by listeners living very close to the studio. Home Radio officially signed off at 05.00 am Dec. 6th with the song "Last Goodbye" by the Czechoslovakian group "Sing, Sing". The station hopes to return one day. Some photos taken during the Goodbye Show will hopefully be presented in the next issue of this magazine.

And that concludes this first 1993 column. FFFF in '93, best wishes from your friend Artion. □

ARTWORK REPORTS....

Russian Piratemania

Happy New Year and hello in 1993!

With the best greetings to everyone, who fights for Free Radio. Here I am and that means, that as usual, the latest news from the Russian FR scene is presented. By the way, as from next time onwards my column is to be published under a new name. It's time to let you know what happened in Russia in the last few months of 1992.

ROMANTIC SPACE RADIO appeared on 1509 kHz via radio Pirana in Oldenzaal, Holland. That show was the very first one, recorded in Russia and relayed by an Euro pirate on medium wave. Many thanks to DPRS, RSR hopes to continue this collaboration!

RADIO NADEZHDA (Radio Hope), operating somewhere from Moscow district on MW, was picked up on 1769 kHz. The DXer who heard the station, said that also letters were read out, music was played and even an address was mentioned. And the latter sounds like a pirate tradition and not like a Russian hoostation (hooligan station). Unfortunately reception quality was very poor and because of that I can tell you nothing about the address and other details!

RADIO MAGIC. I'm continuing to tell you about this most easterly Euro pirate station (wow, it's a JRR antipode!). This time I prepared an interesting story about Magic FM, operated in Perm during June/July 1992. This info was forwarded to me by the main Magic person. So let's return to the Summer of 1992. Then the RM dj set up a common project with a radio amateur having a FM tx at its disposal operating in the 67- 71 MHz range. The owner however didn't want to mention a station name and address. However, the RM man several times mentioned the name Radio Magic (whispering..)- Magic FMs programming mainly consisted of oldies from 60s/70s and talking about DX-topics (a kind of propaganda for free radio listening). The tx was operated from a private house located in the nearest Perm suburb. Aerials were erected in such way that the signal was beamed to the centre of the city. Only four times listeners could tune to Magic FM because some time later the tx owner moved out of the city. It

must be noted that these illegal broadcasts attracted the attention of the local authorities. Some people in Perm saw a very strange "jeep" which had a big 1.5 metre mast fixed on the roof which could turn to all directions. Fortunately the station was not raided.

The latest news from Radio Magic: not long ago Igor of RWBI got a tape from Perm and relayed it on 75 metres. That px was mostly in Russian and included rock mx and much info on free and official radio.

And now something about the untraditional and a bit exotic hooliganism, which was rather popular in Middle Asian Republics. First I'd like to tell you that even being radio pirate activists, we don't agree with such a kind of "black" hooliganism. I hope you agree with me after reading the following story. It happened somewhere in those regions (Middle Asia) in the mid 80s. When talking about Russian (or ex-Soviet) radio hooliganism the first thing to remember is that broadcasting was usually carried out on medium wave. Unlike Europeans, hooligans from Middle Asia preferred FM. There were guys putting out the usual hooformat of gso-ing and chatting. But there also was a group doing a "black business" using their FM txs. Their main tradition was to confuse official utility services. Once, one of such "black" ops picked up a pilote who asked airport dispatching service permission to land. The guy decided to take part pretending he was from the airport service. So he went on air on exactly the same frequency and said: "landing isn't permitted right now...wait..." The pilote's call and hooligan's answer were continuing for quite a while and all the time the plane was still in the air. Only after the hooligan signed off, the real operator was able to get in touch with the pilote giving him permission to land. Reaction came within 15 minutes when the house of the pirate was surrounded by soldiers with tommy guns. A happy end for the plane with its passengers but not for the OPs sheepdog who was killed during the raid and for the OP himself 'cause he was responsible for this incident. The morals of this story is as follows: if you live, your dog don't follow this way.

HOME CHRONICLES or...

the latest news on Home Radio-Moscow Pirate Wire Network in south east Moscow by Artion Prochorov, exclusively for 'FRS Goes DX'.

Last issue I tried to introduce to you the most original pirate station I've ever seen. Now some exciting news.

Nov. 29th 1992: as usual that Sat evening, I was called by V.Sova, the owner of Home Radio to talk about my nighttime "what's on the bands" report. Everything was alright, any storms weren't expected. At 02.30 am local time my phone rang. I was ready reporting but Sova and the deejay (Gennady Netchaev) who was staying that night there, informed me by troubled voices that after the official Wire Network closed down at 01.15 am, a dull voice appeared with the following information: "Attention to those, using the Wire Network illegally. If you go on to broadcast, you could be held responsible for illegal broadcasting according to the following articles of the Criminal Legislation of Russia": In spite of this the programme took place. It seemed that the station was going to be raided. But it wasn't the end of the story. As I found out later, at around 03.30 am the studio phone cord was disconnected by authorities and switched on again next day.

Nov. 30th 1992: That day, I called Sova again. Quietly he informed me that he was visited by two strange persons that morning. They firstly presented themselves as advertising agents (Home Radio sometimes aired adverts). The station OP invited them to drink some tea and when finishing this the two men showed their passes of the "Wire Network Inspection". What followed was a brief conversation. Sova was said that during nighttime "Wire Network" is used by "Citizen Forces Service" and that's why it MUST be clear always. Fortunately there weren't any words of confiscating equipment but the two men kindly asked to finish off the illegal broadcasts. Confiscation could happen in case HR would again appear on the "Wire Network". Sova's decision was to make a special goodbye show on December 6th. For doing that, he was going to ask those men for permission. But if the answer

MEDIUM WAVE PIRATE NEWS

A few months ago we contacted Derek Taylor asking him if he would be prepared to do a bi-monthly medium wave feature in 'FRS Goes DX'. Derek immediately replied and he reacted in a very enthusiastic way! Due to the fact we were willing to change the format of the magazine plus a few other things, we felt it would be a good idea to combine the introduction of this new column with the introduction of the new and improved 'FRS Goes DX'. And so we are proud to present as from this issue onwards a regular Medium Wave column containing loggings, brief news items and station portraits.

We'd like to point out that Derek Taylor contributes to a number of radio magazines. As he doesn't have the time to write exclusive features in 'FRS Goes DX', it is understandable that his contributions can also be read in other free radio magazines. All info is placed with Derek's permission and is in no way a copy of info which has already been published in other publications.

FRQ	TIME	DATE	NAME OF STATION	RECEPT.	DETAILS	FRQ	TIME	DATE	NAME OF STATION	RECEPT.	DETAILS
1509	00.02	13/12	Romantic Space R.	VG	Repeat relay	1635	22.44	21/12	Tijdbreker	F	Rpt for Verona
1511	00.45	01/01	Black Rose	W.		1635	23.25	01/01	Nolan	F	Rpt for Nootiged.
1512	23.25	27/12	Mexicana	W/F	60s popmx	1635	22.40	17/12	Zwarte Non	F/G	Rpt for Nootiged.
1603	15.00	19/12	Lordje Wanhoop	Poor	Splash from 1602	1636	23.25	01/01	Nolan	F	
1604	00.27	12/12	Blonde Zeeman (B)	---		1636	15.32	23/12	Zondevan	F	Rpt for Toekomst
1605	19.09	21/12	Ketelbinkie	VG		1636	15.17	19/12	Kristal	G	Rpt for Nova
1605	14.30	22/12	Berkenrode	W	Short music px	1636	00.17	23/12	Toekomst	Exc.	Amazing signal
1606	21.21	03/01	Atlas	F	Relay via 807	1636	23.22	18/12	Curacao	G	Asking for rpt
1606	20.43	22/12	Waterman	W/F	Relay via Sapporo	1636	00.34	19/12	Noordzee	G	Rpt for B.Zeeman
1607	18.43	06/01	Kontakt	W		1637	23.06	08/01	Sloper	W/F	IDs & mx
1607	20.21	10/01	Mariska	F/G	Asks for reports	1637	23.52	11/01	Buldog	F/G	
1607	22.05	27/12	Marian	W/F	Mx/IDs/Greetings	1637	18.15	19/12	Verona	G	Rpt for others;ID
1607	19.34	11/12	Utopia	W	Rpt for Weduwe	1638	23.49	08/01	Grote Versierder	F/G	
1607	17.33	02/12	Dolfijn	W	Rpt for Sylvania	1638	20.35	19/12	Ster	W/F	Music show
1608	00.04	03/01	Flandria	G	Mx/IDs	1638	23.29	18/12	Pelikaan	F	QSO-ing
1608	00.50	03/01	Piepzender	F/G	IDs	1639	21.58	08/01	Antonio	G	Rpt for others
1608	15.00	13/12	N.Mexico	F/G	Mx/IDs	1639	00.21	03/01	Toulouse	G	Rpt for Flandria
1608	15.55	01/12	Polderboer	W	Interference	1640	23.00	30/12	Hawaii	G/VG	Test broadcast
1609	17.04	09/12	Unid	W	Morgenzon?	1640	20.12	29/12	Bouwvakker	F/G	Music/IDs/Rpt
1610	01.10	06/12	Casablanca	F	Multilingual IDs	1640	23.16	26/12	Nachtrijder	W	Rpt for Turbo
1610	22.36	16/12	Bluffer	G	90 min. show	1640	00.09	23/12	Barones	Exc	Phenomenal signal
1611	15.46	05/12	Albatros	G	New station	1640	21.39	03/12	Turbojager	VG	Test for int.pxs
1611	19.53	06/12	Ienie Mienie	F		1640	23.00	05/12	Frisco	VG	Joint px with Trb
1612	18.16	02/01	Onbekend	F	IDs/address	1640	22.56	09/01	Spanningzoeker	VG	Short mx show
1614	21.02	05/12	Boskabouter	W	Regular Sat show						
1615	23.00	31/12	Kippenboer	F/G	N.Y's Greetings						
1616	16.14	10/01	Tuinman	G/VG							
1616	16.16	10/01	Ome Jan (b)	G/VG	Tuinman studio						
1617	21.42	03/01	Ster	G	Rpt for Ome Jan						
1618	18.50	03/01	Ome Jan (c)	F	New from Alnelo						
1620	18.58	06/01	Lotus	F/G	Rpt for Santana						
1634	15.23	19/12	Meteor	G	Rpt for Kristal						
1634	00.03	23/12	Buldog	F	Rpt for Toekomst						
1634	15.15	13/12	Nootigedacht	VG	Rpt for Veldwijk						
1634	---	19/12	Onbekend	F	QSOing						
1634	15.07	13/12	Veldwijk	G	Test						
1635	17.25	10/01	Breaker	F	IDs/Mx						
1635	00.17	23/12	Toulouse	VG							

Key:

W= weak *** F=fair *** G=good *** VG=very good *** Exc=excellent
Rpt=report. Reception location is Preston in the UK. All loggings are coming from Derek Taylor and are made with a Sony ICF 2001D connected to an indoor loop (199/186m) and an outdoor antenna (183m).

Derek Taylor is running the Dutch Pirate Radio Service, shortly named DPRS. Working in co-operation with Pirate Connection in Sweden, the main purpose of DPRS is to provide a forwarding service for reports and letters to all Dutch medium wave pirates. The DPRS medium wave active pirate list can be obtained for one IRC or one US dollar. DPRS also has mint Dutch stamps for reception report replies. Five 90ct stamps cost £ 2.50 . DPRS also provides an ID service for any station you may have

on tape. Just send the tape along with return postage and the DPRS tries to help. Please take note of the fact that the DPRS is **MW ONLY** service. The address is: DPRS, 12 Dorman Road, Preston, Lancs PR2 6AS in England.

Derek Taylor is looking for copies of the Dutch Free Radio Magazine, a well-known free radio magazine from Holland. If anyone can help him, please write to the DPRS address! Derek is willing to buy copies or otherwise copy them.

Most loggings are coming from 183m=1640 kHz area, 186m=1612 kHz area and 199m=1508 kHz. Times are in UTC.

MEDIUM WAVE NEWS IN BRIEF

It looks like 183m is becoming the new pirate band. The 186m/1612 kHz area isn't the best at the moment because there's a lot of tele-printer type interference in addition to strong intermittent carriers which really block out everything for a few kHz either side. As a substitute several Dutch pirates are moving to 1640 kHz where several tests have been noted. This does not mean that 1612 is empty now! There are still lots of stations broadcasting around 1612. New pirates are still appearing on MW and it seems it's very busy in the 1600- 1640 kHz range. In addition some pirates are also being heard below 1600 kHz.

Radio Minerva was raided by the OCD and fined £ 2000,-!! Calipso is another station having got an unwanted visit from the OCD. In the mean time both stations have returned to the airwaves. Isn't that the real Dutch AM spirit? Radio Frisco can be heard on 1550 kHz and a tentative logging of Schotelamateur has been made on 1570 kHz. Noordzee (eastern part of the Netherlands) was raided Dec. 30th. Confiscated were his tx & power supply. Another station, also called Noordzee, is operating out of North Holland. Notorious non verifier Breaker has responded with a qsl letter. De Grote Versierder is a new station from Friesland. Address is P.O.Box 129, 8400 AC Gortdijk. Rono is back after several years of silence. Address is Box 110, 9410 AC Beilen or DPRS. The station is broadcasting from a new tx site. Kontakt made a rare appearance Jan. 7th on 1606 kHz at 18.43 UTC. Radio 807 has been noted every Sat night with a 60s pop music show on 1608. Kippeboer made his regular New Year's Eve appearance with New Year's Greetings on the stroke of midnight CET. Greek pirates have appeared on the band again. Utopia can be contacted via DPRS or Box 73, 7160 AB Neede. Reports for Radio 813 and Kleine Zwaluw can now be sent direct by DPRS. Radio Pirana is planning to operate on SW but will use another name as Pirana Int. (the SW one) is already active on SW thus giving an enormous confusion! Interpol is now on 186/183m with own tx. The same applies to Hawaii using Box 73, 7160 AC Neede. Live Wire Radio, the well-known SW broadcaster, was heard testing on 1509 kHz with approx. 150W. Nordmende and Piepzender are now using ID jingles. A new station called Lotus was heard on 186m. Location is unknown. Address is Box 73, 7160 AB Neede. Nordmende is now using P.O.Box 122, 7160 AC Neede. Address Ome Jan is Box 101, 7670 AC Vriezenveen. Pedro Radio is active Sundays between 09.00- 13.00 on 1400 kHz. Rather unusual time and frequency but that makes MW exciting, isn't it? North Atlantic Radio from Ireland was noted a number of times in 1607 and 1621 kHz. The station seems to be Irish.

Radio Pirana

Radio Pirana has been around for some time on 186m. The first trms were made in 1969 under the name of McKenzie and then the name Mustang. In 1970, the name Pirana was used. This is taken from the town of the same name in Yugoslavia. Coincidentally there is another pirate called Pirana operating on short wave and a Mustang a few months ago on MW. However, there is no connection.

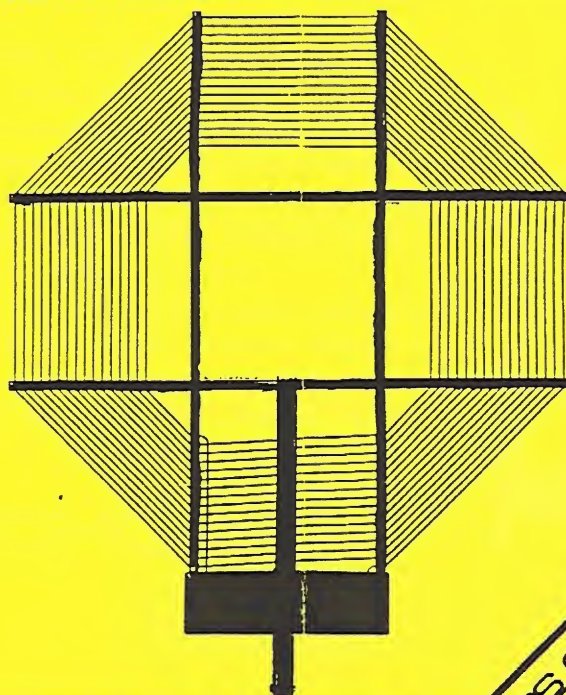
Radio Pirana is one of the very few Dutch pirates with regular weekly trms and has become very popular with night owl DXers. This is mainly because of the change from the traditional Dutch and German music to all 50s, 60s and 70s format. Pirana can often be found on 1508 kHz from Weds into Thurs 23.00- 01.00 UTC. Although this has been changed in the mean time: the station is nowadays regularly noted on 1509 every Sunday night/Monday morning 00.00- 02.00 UTC providing excellent signals.

Operating from the Oldenzaal area in the east of Holland, Pirana's 1 kW (!!) powerhouse signal is well received in Europe and beyond. Two other pirates share the transmitter. These are Japie de Blitzkikker and Interpol. The latter of these two has acquired his own tx in the mean time.

Pirana has a very impressive studio with the Rohde & Schwarz tx taking the pride of place. This stands about the size of an average man. His receiver is a Collins R-390A/URR which he uses for QSO contacts.

The station OP, Hans, is 38 years old, married and has two children. He also speaks very good English. His pxs always start with the same piece of music called 'Glaspaarlen' and end with another instrumental called 'Coconuts'.

Unfortunately Hans takes some time to answer letters as he works long hours. He will reply eventually with a letter, photo of the transmitter and a postcard. If you do have difficulty getting a reply, send a follow up letter to DPRS. □





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